

SCH-r210 Series

**P O R T A B L E D U A L - B A N D
M O B I L E P H O N E**

User Manual

**Please read this manual before operating your
phone, and keep it for future reference.**



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Section 2: Getting Started

This section explains how to start using your SCH-r210 phone by activating your service, setting up your Voicemail, or getting an understanding of how this manual is put together.

Understanding this User Manual

The chapters of this manual generally follow the same order as the menus and sub-menus in your phone. A robust index for quick reference to most features begins on page 107.

Also included is important safety information that you should know before using your phone. Most of this information is near the back of the manual, beginning on page 84.

Notes and Tips

Throughout this manual there is text that is set apart from the rest. These are intended to point out important information, quick methods for activating features, to define terms, and more. The definitions for these methods are as follows:

- **Notes** — Explain alternative options within the current feature, menu, or sub-menu.
- **Tips** — Provide quick or innovative methods for performing functions related to the subject at hand.
- **Important** — Points out important information about the current feature that could affect performance, or even damage your phone.

Text Conventions

This manual provides condensed information about how to use your phone. To make this possible, the following terms and icon appear in place of repeatedly-used procedural steps:

- highlight** Use the Navigation key () to move a highlighting effect onto a menu item or screen item of interest.
- select** After “highlighting” a menu item or screen item, press  to launch, access, or save a highlighted menu item or screen field of interest.
- Used in place of “select” in long “drill down” procedure steps.

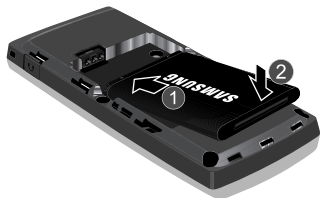
Example: “...Settings → Call Settings → Call Answer...”

Installing the Battery

Note: Your phone comes packaged with a partially charged rechargeable standard Li-Ion battery and travel adapter.

Important! You must fully charge the battery the first time you use your phone, otherwise you could damage the battery.

1. Insert the top end of the battery first, matching the gold contacts on the top end of the battery to those inside the phone.



2. Press the bottom end of the battery down into the phone.
3. Place the battery cover over the battery.

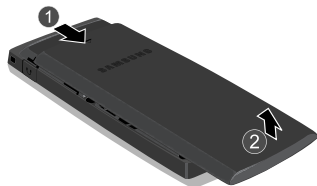


4. Slide the cover upward into place.

Remove the Battery

Important! You must unplug the Travel Adapter (if it is connected) before removing the battery from the phone during charging to avoid damage.

1. If your phone is on, press and hold the  key to turn off the phone.
2. Press the battery cover at point (1) and slide the cover toward the bottom end of the phone.



3. Lift the battery cover (2) up and away from the phone, bottom end first.

4. Lift the battery (3) up and away from the phone, bottom end first.



Charging the Battery

Your phone is powered by a rechargeable standard Li-Ion battery. Only use Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. **Use of other accessories may invalidate your warranty and may cause damage.**

Use the Travel Adapter

The travel adapter included with your phone is a convenient, light-weight charger that rapidly charges your phone from any 120/220 VAC outlet.

1. Plug the large end of the Travel Adapter into a standard 120 VAC or 220 VAC wall outlet.



Note: For connection to an electrical supply not located in North America, you must use an adaptor of the proper configuration for the power outlet. Use of the wrong adapter could damage your phone and void your warranty.

2. Insert the smaller end of the Travel Adapter into the charger/accessory connector on the right side of your phone.



Important! You must unplug the adapter before removing the battery from the phone during charging to avoid damage.

Low Battery Indicator

The battery indicator () in the upper-right corner of the display indicates power level. Monitor the battery strength and ensure your battery is adequately charged.

Three bars () indicate a full charge.

An empty battery icon () indicates a near empty battery.

A blinking empty battery icon () and a tone sounding indicate you have two to three minutes before the battery is too low to operate the phone.

If you continue to use your phone without charging its battery, the phone will shut down.

Activating Your Phone

If necessary, contact your Wireless Carrier and follow their instructions for obtaining service. We suggest that you read this manual to fully understand the services your phone supports.

Turning Your Phone On

- ▶ Press and hold  until the display lights.

Note: As with any other radio-transmitting device, do not touch the antenna while using your phone as this can affect call quality and can cause the phone to operate at a higher power level than is necessary.

- The phone begins searching for a network signal.
- Once the phone finds a signal, the time, date, and day appear in the bottom of the display.
- You're now ready to place and receive calls.

Note: If you are outside of your carrier's coverage or roaming area, the No Service icon () appears at the top of the phone's display. If you cannot place or receive calls, try later when service is available, or at another location.

Turn Your Phone Off

- ▶ Press and hold  for two or more seconds. Your phone powers off.

Note: If your phone is on and you press  for less than one second, the phone will not power off. This prevents your phone from being turned off accidentally.

Setting Up Your Voicemail

Voicemail allows callers to leave voice messages, which can be retrieved any time.

Note: Once your Voicemail account has been set up, you can use the Voicemail folder (under the Message menu) to view details of voice messages in your Voicemail box.

1. In standby mode, press and hold the  key or enter your own mobile number and press  to dial Voicemail.
2. Follow the prompts in the new user tutorial to setup your mail box.

Listen to Voicemail

- In standby mode, press and hold the  key or enter your own mobile number and press  to dial Voicemail. After connecting, you will hear your voice greeting. You are prompted to enter your password.

Section 3: Understanding Your Phone

This section outlines some key features of your phone. It also describes the screen format and the icons that will be displayed when the phone is in use.

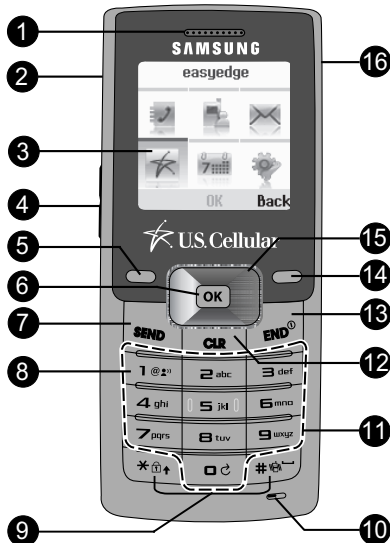
Features of Your Phone

Domestic and international voice and text messaging service (available on participating networks).

- High speed data [CDMA 2000 1x Technology]
- Bluetooth® Wireless Technology (see Note)
- Global Positioning (GPS) Technology
- PIM Functions
- Text (SMS) Messaging
- Speakerphone

Note: The r210 phone supports the wireless handsfree profile and the serial port profile for Bluetooth® wireless technology. The r210 does not support Bluetooth OBEX profiles.

Front View of Your Phone



Features

1. **Earpiece / Speaker** — Lets you hear ringing and alert tones, alarm tones, and the other parties to calls.
2. **Power / Accessories Connector** — Used to plug in charging accessories and to connect any available accessory cables to your phone.
3. **Display** — Indicates the status of your phone, including numbers dialed, feature and function screens, status icons, message indicators and contents, signal strength, and so on.
4. **Volume Key** — In standby mode, lets you adjust the ring volume. When receiving a call, mutes the ringer. During a call, lets you adjust the voice volume. In Menu mode, lets you scroll through the phone menu options.
5. **Left Soft Key** — Used to navigate through menus and applications and to select the choice indicated at the bottom left corner of the Display.
6. **OK Key** — In standby mode, launches the Main Menu. Pressing when navigating through a menu accepts the highlighted option.
7. **SEND Key** — Lets you place or receive a call. In standby mode, press the key once to access the recent call log.
8. **Voicemail Key** — Lets you speed dial your Voicemail account to review your voice messages.
9. **Special Function Keys** — Enter special characters. Perform various functions.
10. **Microphone** — Lets the other caller hear you clearly when you are speaking to them.
11. **Alpha-numeric Keys** — Use these keys to enter numbers, letters, and characters.
12. **CLR Key** — Deletes characters from the display when you are in text entry mode. Press this key to return to the previous menu or screen when navigating features on your phone.
13. **END Key** — Ends a call. If you press and hold the **END** key, the power goes On or Off. When you receive an incoming call, press to send the call to voicemail.
14. **Right Soft Key** — Used to navigate through menus and applications and to select the choice indicated at the bottom right corner of the Main Display.

15. Navigation Key — In standby mode, launches selected functions or applications. In Menu mode, lets you scroll through the phone menu options.

16. Headset Connector — Used to connect hands-free headsets to your phone.

Command Keys

Soft Keys

Functions for the soft keys are defined by what appears above each in the display. There are two soft keys, the Left soft key and the Right soft key.

Left Soft Key

Some functions of the Left soft key () are as follows:

- In standby mode, press the **Message** soft key () to launch the **Messages** menu.
- When the Left soft key function is Edit, press the **Edit** soft key () to edit a Contacts entry.

Right Soft Key

Some functions of the Right soft key () are as follows:

- In standby mode, press the **Contacts** soft key () to open the Contacts **Find** screen.
- When the Right soft key function is Options, press the **Options** soft key () and a pop-up menu appears.

- When the Right soft key function is Back, press the **Back** soft key () to back up one menu level.

OK Key

- In standby mode, press the **OK** key () to launch the Main Menu.
- In a menu, press the **OK** key () to accept the highlighted selection.
- When the **OK** key function is Edit, press **Edit** () to edit a Draft message.

Clear Key

The **CLR** key () is used to erase or clear numbers, text, or symbols from the display. You can also use the  key to return to a previous menu or to return to standby mode from any menu.

- If you enter an incorrect character, briefly press  to backspace (and delete) the character.
- To erase the entire sentence, press and hold .
- To back up one menu level, briefly press .

END Key

- Press and hold the **END** key () to turn on your phone.
- Briefly press  once to disconnect a call.
- Press  to return to standby mode from any menu, or to cancel the last input.

SEND Key

The **SEND** key () is used to answer calls, dial calls, and to recall the last number(s) dialed, received, or missed.

- Press  once to answer calls.
- Enter a number and briefly press  to make a call.
- Briefly press  in standby mode to display a list of recent calls to and from your phone.
- Press  twice in standby mode to call the most recent number.
- Press  to pick up a waiting call. Press  again to switch back to the other call.

Navigation Key

Use the directional keys on the Navigation key () to browse menus, sub-menus, and lists. In standby mode, each directional key also acts as a shortcut to launch applications.

Understanding the Display Screen

1. The top line of your phone's display contains icons that indicate network status, battery power, signal strength, connection type, and more.



2. The center portion of the display shows information such as call progress information, messages, and photos.
3. The bottom line of the display shows current soft key functions. The sample screen shows that pressing the Left soft key () will show the **Messages** menu, pressing the **OK** key () will display the Main Menu, and pressing the Right soft key () will show the Contacts **Find** screen.

Display Screen Icons

Your r210 phone can show you definitions of the icons that appear on the top line of the display.

To access the Icon Glossary:

- In standby mode, press **MENU** () , then select **Settings** → **Phone Info** → **Icon Glossary**. A list shows of the icons that can appear on the top line of the displays.

Dialogue Boxes

Dialogue boxes prompt for action, inform you of status, or warn of situations such as low battery. Dialogue boxes and their definitions are outlined below.

- Choice
 - **Example:** "Save Message?"

- Reconfirm
 - **Example:** “Erase All Messages?”
- Performing
 - **Example:** “Sending...” “Connecting...”
- Completed
 - **Example:** “Message Saved”
- Information
 - **Example:** “New Message”
- Error
 - **Example:** “System Error!”
- Warning
 - **Example:** “Low Battery,” “Memory Full!”

Backlights

Backlights illuminate the display and the keypad. When you press any key or open the phone, the backlights come on. They go off when no keys are pressed within a period of time set in the

Backlight menu.

Note: During a phone call, the display backlight dims and turns off after 10 seconds to conserve battery power, regardless of the **Backlight** setting.

(For more information, refer to “*Backlight*” on page 71)

Your Phone's Modes

Call Answer Mode

You can choose to answer a call by pressing any key except , , or Left/Right soft key, or by pressing only the  key. (For more information, refer to “*Call Answer*” on page 75.)

Input mode

Input mode determines how you enter text, numbers, and symbols. While at any text entry screen, press the Left soft key () , then choose the input mode from the pop-up menu using the Navigation key.

Optional input modes are **T9 Word**, **Abc**, **ABC**, **Symbols**, and **123**. (For more information, refer to “*Entering Text*” on page 26)

Tip: You can cycle between **T9 Word**, **Abc**, and **123** by repeatedly pressing and holding the  key until the phone beeps.

Lock Mode

When the phone is in Lock Mode, restrictions are placed on phone use. You can receive calls and messages, but cannot place outgoing calls (except for emergency numbers) until you unlock the phone. Lock Mode also restricts access to menus and the Volume key. Unlock your phone by entering the lock code when prompted. (For more information, refer to “*Change Lock*” on page 78.)

Standby Mode

Standby mode is the state of the phone once it has found service and is idle. The phone goes into standby mode:

- After you power the phone on.
- When you press after a call or from within a menu.

In standby mode, you will see the time, day, and date as well as all phone status icons.

Place Calls in Standby Mode

1. While in standby mode, enter a phone number, and press  to place a call.
2. Press  to return to standby mode.

Receive Messages in Standby Mode

You can receive messages in standby mode. An alert tone sounds and a notification message appears in the display when a new message arrives. The following call message options appear:

- **View Now** — This selection allows you to view the messages now.
- **View Later** — This selection allows you to view the messages at a later date.

Highlight the desired viewing option and then press .

Talk Mode

You can place and receive calls only when your phone is on. While in a call your phone is in talk mode. Press the **Options** soft key to display a list of menu options. (For more information, refer to “*The In-Use Options Menu*” on page 18.)

Speakerphone Mode

To share a call with other people nearby, place your phone in Speakerphone Mode by pressing the **Options** soft key and selecting **Speaker On** during the call. You are prompted to confirm that you want the Speaker On by pressing the **Yes** soft key.

Caution!: Keep the phone away from you ear while in Speakerphone Mode. (For more information, refer to “*Responsible Listening*” on page 93.)

To disable Speakerphone Mode, the **Options** soft key and select **Speaker Off**, then press the **Yes** soft key, or end the call.

Silent Mode

Silences the tones your keypad makes when you press a key.

To enter Silent Mode:

- In standby mode, press and hold . “**Entering Silent Mode**” briefly appears in the display and your phone returns to standby mode.

To exit Silent Mode:

- ▶ While in Silent mode and standby mode, press and hold . “**Exit Silent Mode**” briefly appears in the display and your phone returns to standby mode.

Vibrate Mode

While in Vibrate Mode, your phone does not ring to indicate incoming calls or alarms, it vibrates instead.

To enter Vibrate Mode:

- ▶ In standby mode, repeatedly press the Volume key () down until “**Vibrate**” appears in the display.

Note: The Volume key is on the left side of phone.

Adjust the Ringer

In standby mode, press  up or down.

1. In standby mode, press  up or down to set the call ringer volume as desired.

Options are:

- Ringer Off
- Vibrate
- Low
- Low/Medium
- Medium
- Medium/High
- High
- Vibrate/High

When you are satisfied with the setting, press **SET**. Your phone returns to standby mode.

You can also enter the **Volume > Voice Calls** sub-menu by pressing **MENU** () , then selecting → **Settings** → **Sound Settings** → **Volume** → **Voice Calls**. Use the Volume key () on the left side of your phone to adjust the ringer volume setting.

The Vibrate icon () appears in the display when the phone is in Vibrate mode. The Vibrate/Ring icon () appears in the display when the phone is in Vibrate/High mode.

Section 4: Call Functions

This section explains how to make and answer calls. This section also includes the features and functionality associated with making or answering calls.

Making a Call — Number Entry Dialing

1. With the phone on, enter the number you wish to call using the keypad.
2. Press  to place the call.

Dialing Emergency Numbers

To place an emergency call:

1. With the phone on, enter 911 using the keypad.
2. Press  to place the call.

You can specify other numbers as emergency numbers using the **Emergency #** settings. (For more information, refer to “Emergency #” on page 79.)

Important!: Emergency number 911 is preset into your phone. You can dial this number almost any time, even when the phone is locked or restricted.

If you call 911 an audible tone is heard and an Emergency prompt appears in the display for the duration of the call.

Important!: Because of various transmission methods, network parameters, and user settings necessary to complete a call from your wireless phone, a connection cannot always be guaranteed. Therefore, emergency calling may not be available on all wireless networks at all times.

Important!: DO NOT depend on this phone as a primary method of calling 911 or for any other essential or emergency communications.

Dialing International Numbers

1. In standby mode, enter **011** (the three-digit exit code for the United States).
2. Enter the country code for the country that you are calling.
3. Enter the number that you wish to call, then press .

Note: Puerto Rico and Canada are on the North American dialing plan. Making calls to Puerto Rico and Canada is similar to making calls within the United States, no unique country codes are necessary.

Manual Pause Calling

When you call automated systems (like banking services), you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can

store the numbers in your Contacts along with special characters called pauses.

- **2-Sec Pause** — P pause — A two-second pause stops the calling sequence for two seconds and then automatically sends the remaining digits.
- **Wait** — W pause — A hard pause stops the calling sequence until you press .

To manually call a number with pause(s) without storing it to your Contacts:

1. Enter the number you wish to call.
2. Press the **Options** soft key. A pop-up menu containing the following options appears in the display:
 - **2-Sec Pause** — a two-second pause.
 - **Wait** — a hard pause (awaits input from you).
3. Use the navigation keys to highlight the desired pause option.
4. Press  to enter the highlighted pause into your number sequence.

Note: If you select **2-Sec Pause**, **P** appears in the display. If you select **Wait**, **W** appears in the display.

5. Press  to call the number.

Making a Call — Speed Dialing

You can store phone numbers and contact names in your phone's Contacts list. Speed Dialing lets you quickly and easily dial any contact in your Contacts list by using that contact's location number in the list. You can assign and change location (speed dial) numbers for your contacts. (See “*Assignment During Entry Creation*” on page 36.)

One-Touch Dialing

Speed Dial numbers 2 through 9 are special One-Touch dialing numbers. You can call the phone numbers stored in your phone's Contacts list and assigned Speed Dial numbers 2 through 9 by pressing and holding a single key.

Example: For Speed Dial number 3, press and hold the  key until the name and number appear in the display and the number is dialed.

Two-Touch Dialing

Memory locations 10 through 99 are special Two-Touch dialing locations.

Example: For location number 13, briefly press , then press and hold  until the name and number appear in the display and the number is dialed.

Three-Touch Dialing

Memory locations 100 through 999 are special Three-Touch dialing locations.

Example: For location number 113, briefly press , briefly press  again, then press and hold  until the name and number appear in the display and the number is dialed.

Pause Dialing From a Contacts Entry

- If you speed dial a contact that contains (two-second) P pause(s) simply wait for the pauses to pass and the dialing to complete.
- If you speed dial a contact that contains (hard) W pause(s), wait for the appropriate prompt(s) from the number you are calling (credit card number, bank account number, and so on) and enter the appropriate response(s).

Making a Call — Quick Search Dialing

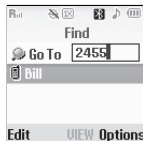
Use the **Quick Search** feature to dial any number stored in your Contacts list by pressing the number keys that correspond to the first few letters of a Contact name. (For more information, refer to “Quick Search” on page 82.)



Quick Search Dialing a Contact

To find and dial a Contact, do the following:

1. In standby mode, press the number keys that correspond to the first few letters of the Contact name, as shown.
2. Press the Up navigation key. The **Contact List** screen appears showing the desired Contact name.
3. If needed, use the Up and Down navigation keys to highlight the Contact you wish to call.
4. Press  to call the highlighted Contact.



Pause Dialing From a Contacts Entry

- If you voice dial a contact that contains (two-second) T pause(s) simply wait for the pauses to pass and the dialing to complete.
- If you voice dial a contact that contains (hard) P pause(s), wait for the appropriate prompt(s) from the number you are calling (credit card number, bank account number, and so on) and enter the appropriate response(s).

Answering a Call

Your phone notifies you of a call in the following ways:

- A ring tone sounds and/or your phone vibrates (Your phone provides seven ring volume settings including: **Ringer Off**, **Vibrate**, **Low**, **Low/Medium**, **Medium**, **Medium/High**, **High**, or **Vibrate/High**, and/or different ring types to distinguish callers.)
- A phone number (unless blocked by the caller) and a name appear in the display (If the caller's number and name are stored in your Contacts list).
- If the caller can't be identified, **Call from unavailable#**, **Call from restricted number**, or no number appears in the display.
- Your phone continues to notify you of the call until one of the following events occurs:
 - You answer the call.
 - You ignore the call.
 - The calling party ends the call.
 - The call is sent to voicemail.

Answering an Incoming Call

- ▶ Press . The ring tone and/or vibration stop and the caller's voice can be heard in the earpiece.

Tip: You can set your phone to automatically answer calls or to answer calls when you press any key but the  key or automatically. (For more information, refer to "Call Settings" on page 75.)

The In-Use Options Menu

You can access numerous menus and features while in a call.

Note: If the call is disconnected while you are accessing the In-Use Option, the In-Use Option disappears from the display and the phone eventually returns to standby mode.

1. While in a call, press the **Options** soft key.

The following menu items appear in the display:

- **Message** — The **Messages** menu appears in the display. (For more information, refer to "Messaging" on page 41.)
- **Contacts** — The **Contacts Find** screen appears in the display.
- **Recent Calls** — View, respond to, and manage your recent outgoing, incoming, and missed calls.
- **Send DTMF** — Send your phone number as DTMF tones.
- **Voice Privacy** — Select **Standard** or **Enhanced** voice privacy.
- **Location** — The **Location** menu appears in the display. (For more information, refer to "Location" on page 70.)
- **Speaker On / Off** — Allows you to use the speakerphone option.

Do one of the following:

- Select the desired sub-menu or feature.
- Exit the menu by pressing .

Tip: You can block sound going to the other parties) on this call by pressing the **Mute / Unmute** soft key. This can reduce noise on conference calls.

Ignoring a Call

When you ignore an incoming call, the call is immediately forwarded to your voice mail.

- ▶ During an incoming call, press the **Ignore** soft key. The caller is forwarded to your voice mail.

Adjusting the Call Volume

In standby mode, repeatedly press the Volume key () down until the Call Volume Level desired appears in the display. The Volume key is on the left side of phone.

Calls Log

The Calls log retains information about Outgoing, Incoming, and Missed calls. You can also view times for your last call and the time totals for all calls.

Review the Calls Log

1. In standby mode, press **MENU** () , then select **Calls**.
The following Calls logs and options appear in the display:
 - **Outgoing Calls**
 - **Incoming Calls**
 - **Missed Calls**
 - **All Calls**
 - **Call Timer**
 - **Data Counter**

2. Select the Calls log that you wish to review or the function you wish to access.

Note: In cases where there is a Contacts match for a Calls log entry, the name associated with the number appears in the display instead of the number.

Outgoing Calls

Your phone retains information about the last 90 outgoing calls and stores them in the Outgoing calls log. You can review the Outgoing calls log for the time and date of a call, as well as other information.

Note: To quickly view your most recent calls, briefly press  in standby mode. Up to 270 of your most recent outgoing, incoming, and missed calls appear in the display.

1. At the **Calls** menu, select **Outgoing Calls**. A list of your outgoing calls appears in the display.
2. Highlight a call, then press **OPEN** () to view the Name of the called party (if in the Contacts list), the number dialed, the time and date the call was placed, and the duration of the call (in minutes and seconds).
3. Press the **Options** soft key. A pop-up menu containing the following options appears in the display:

- **Save** — Save the number to your Contacts.
 - **Details** — Calls to Contacts Only — Shows the entry for the called Contact.
 - **Erase** — Erase the selected call from your Outgoing call log.
 - **Lock/Unlock** — Protect the selected call from being erased.
 - **Erase All** — Erase all calls from your Outgoing call log.
 - **View Timer** — Shows the number of calls and/or the total time spent on the Last Call, Outgoing Calls, Incoming Calls, Roaming Calls, All Calls, Last Reset, and Lifetime Calls.
4. Press the **Msgs** soft key to launch the **Create Txt Msg** text entry screen, allowing you to compose and send a text message to the recipient of the highlighted call.

Note: For more information, refer to “*Create and Send Text Messages*” on page 41.

Incoming Calls

Your phone retains information about the last 90 Incoming calls and stores them in the Incoming call log. You can review the Incoming call log for the time and date of the call, as well as other information.

1. At the **Calls** menu, select **Incoming Calls**. A list of your Incoming calls appears in the display.

2. Highlight a call, then press **OPEN** (**OK**) to view the Name of the caller (if in the Contacts list), the originating number, the time and date the call was received, and the duration of the call (in minutes and seconds).
3. Press the **Options** soft key. A pop-up menu containing the following options appears in the display:
 - **Save** — Save the number to your Contacts.
 - **Details** — Calls from Contacts Only — Shows the entry for the calling Contact.
 - **Erase** — Erase the selected call from your Incoming calls log.
 - **Lock/Unlock** — Protect the selected call from being erased.
 - **Erase All** — Erase all calls from your Incoming calls log.
 - **View Timer** — Shows the number of calls and/or the total time spent on the Last Call, All Calls, Received, Outgoing, Roaming Calls, Lifetime Calls.
4. Press the **Msgs** soft key to launch the **Create Txt Msg** text entry screen, allowing you to compose and send a text message to the originator of the highlighted call.

Note: For more information, refer to “*Create and Send Text Messages*” on page 41.

Missed Calls

Your phone retains information about the last 90 missed calls (calls that were never picked up) and stores them in the Missed call log. You can review the Missed call log for the time and date of the call, as well as other information.

1. At the **Calls** menu, select **Missed Calls**. A list of your missed calls appears in the display.
2. Highlight a call, then press **OPEN** (**OK**) to view the Name of the caller (if in the Contacts list), the originating number, and the time and date the call was received.
3. Press the **Options** soft key. A pop-up menu containing the following options appears in the display:
 - **Save** — Save the number to your Contacts.
 - **Details** — Calls from Contacts Only — Shows the entry for the calling Contact.
 - **Erase** — Erase the selected call from your Missed call log.
 - **Lock/Unlock** — Protect the selected call from being erased.
 - **Erase All** — Erase all calls from your Missed call log.
 - **View Timer** — Shows the number of calls and/or the total time spent on the Last Call, All Calls, Received, Outgoing, Roaming Calls, Lifetime Calls.

4. Press the **Msg** soft key to launch the **Create Text Msg** text entry screen, allowing you to compose and send a text message to the originator of the highlighted call.

Note: For more information, refer to “Create and Send Text Messages” on page 41.

All Calls

You can review all of the calls log entries (outgoing, incoming, and missed calls) for the time and date of a call, as well as other information.

1. At the **Calls** menu, select **All Calls**. A list of all logged calls appears in the display.
2. Highlight a call, then press **OPEN** (**OK**) to view further information about the call.
3. Press the **Options** soft key. A pop-up menu containing the following options appears in the display:
 - **Save** — Save the number to your Contacts.
 - **Details** — Calls from Contacts Only — Shows the entry for the calling/called Contact.
 - **Erase** — Erase the selected call from your Calls log.
 - **Lock/Unlock** — Protect the selected call from being erased.
 - **Erase All** — Erase all calls from your Calls log.

- **View Timer** — Shows the number of calls and/or the total time spent on the Last Call, All Calls, Received, Outgoing, Roaming Calls, Lifetime Calls.
4. Press the **Msg** soft key to launch the **Create Txt Msg** text entry screen, allowing you to compose and send a text message to the originator/recipient of the highlighted call.

Note: For more information, refer to “Create and Send Text Messages” on page 41.

Call Timer

View the duration of your last call, total calls, and calls made during the life cycle of your phone using the Call Timer feature.

Note: Call Timer is not for billing purposes.

1. At the **Calls** menu, select **Call Timer**. The following timers appear in the display:
 - **Last Call** — View the duration of your last call.
 - **Outgoing Calls** — View the duration of the total outgoing calls made on your phone since the last erasure.
 - **Incoming Calls** — View the duration of the total incoming calls received on your phone since the last erasure.
 - **Roaming Calls** — View the total calls duration on your phone while roaming since the last erasure.

- **All Calls** — View the duration of the total call, incoming, outgoing, and data calls made on your phone since the last erasure.
 - **Last Reset** — View the time and date all timers were last reset.
 - **Lifetime Calls** — View the duration of all calls since your phone was activated.
2. To reset a selected counter (except Last Reset and Lifetime Calls), highlight the desired counter and press the **Reset** soft key.
 3. To reset all counters except Lifetime Calls, press the **Reset All** soft key.
 4. To exit the **Call Timer** list, press **OK** or **CLR**.

Note: Although most call timers can be erased, the Lifetime call timer can never be erased.

Data Counter

View the amount of Transmit data, Receive data, and Total data transmitted or received since the last time you reset the data counters, and the Lifetime amount of data transmitted or received.

Note: Data Counter is not for billing purposes.

1. At the **Calls** menu, select **Data Counter**.

The following options appear in the display:

- **Transmit** — View the total amount of data transmitted by your phone since the last reset.
 - **Received** — View the total amount of data received by your phone since the last reset.
 - **Total** — View the total amount of data sent or received by your phone since the last reset.
 - **Last Reset** — View the time and date all timers were last reset.
 - **Lifetime Data Counter** — View the total amount of data sent or received by your phone since activation (Lifetime Data Counter cannot be reset).
2. To reset a selected counter (except Last Reset and Lifetime Data Counter), highlight the desired counter and press the **Reset** soft key.
 3. To reset all counters except Lifetime Data Counter, press the **Reset All** soft key.
 4. To exit the **Call Timer** list, press **OK** or **CLR**.

Note: Although most data counters can be erased, the Lifetime Data Counter can never be erased.

Roaming

What is Roaming?

Roaming lets you use your r210 phone when you travel outside of your Wireless Provider's coverage area. The Roaming icon (**R**) appears in the top line of the display when Roaming is active, and extra charges may apply when making or receiving calls.

Note: Some features may be unavailable while roaming. Roaming also consumes additional power from the battery requiring more frequent recharging. Contact your Wireless Provider for more information about Roaming.

How Roaming Works

Roam Option lets you set roaming preferences if you move in and out of your home network. The following roaming options are available:

- **Home only** — Your phone is available for normal operation only in the designated coverage area.
- **Automatic** — Your Wireless Provider's Preferred Roaming List (PRL) of networks is used to acquire service. If no preferred networks are found, any digital system is acquired.

Note: For more information, refer to “*System Select*” on page 81.

Section 5: Menu Navigation

This section explains the menu navigation for your phone. It also includes an outline of all the available menus associated with your phone.

Menu Navigation

Access the menus and sub menus in your phone using the navigation key () and soft keys ( ), or use a shortcut.

1. In standby mode press **MENU** (). The Main Menu, the first of several menus, appears in the display.

Note: More than one menu may appear in your display. This setting can be modified in the **Display Settings** → **Menu Style** menu.

2. Use the Navigation key to browse through the menus.
3. Press () to enter the menu or sub menu that appears in the display.
4. Press the Right soft key **Back** to return to the previous menu.

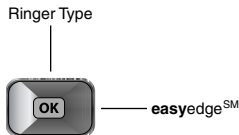
Return to the Previous Menu

- Press the Right soft key **Back** to return to a previous menu.

- When **Back** does not appear in the display, press () to return to the previous menu.

Navigation Key Shortcuts

In standby mode, press a navigation key to launch the key's corresponding application.



Navigate Using a Shortcut

You can also access menus and sub menus using menu numbers. Enter the menu number after pressing **MENU** () to go directly to the menu or sub menu of your choice. Before you can navigate using a shortcut, you'll need the menu or sub-menu number that you wish to access.

1. In standby mode, press **MENU** ().
2. Press the number of the menu, sub menu, and so on for the feature that you wish to access.

Example: Press **MENU** (**OK**), then press **5-H**, **2-ENT**. This takes you to the **Tools** menu (MENU 5), and then to the **Calendar** (sub menu 2).

Section 6: Entering Text

This section outlines how to select the desired text entry mode when entering characters using the phone keypad. This section also describes how to use the T9 predictive text entry system to reduce the number of key strokes needed to enter text.

Changing the Text Entry Mode

Text messages can be made up of alphabetical characters, numbers, and symbols. You can use the following text entry modes to simplify text entry:

- **T9 Word** — Press each phone key only once to enter the letter of the word that you're spelling. T9 WORD mode letter options are:
 - **T9 Word** — Enter initial capital letters
 - **T9 WORD** — Enter all upper case letters
 - **T9 word** — Enter all lower case letters
- **Abc** — Enter letters by repeatedly pressing each phone key until the desired character (as shown on the key) appears in the display. ABC mode letter options are:
 - **Abc** — Enter initial capital letters
 - **ABC** — Enter all upper case letters
 - **abc** — Enter all lower case letters
- **123** — Enter numbers by pressing the corresponding keys on the phone keypad.

- **Symbols** — Using the phone keypad, enter a symbol into your message by pressing the number above the symbol in the Symbols pop-up window.

The current text entry mode (**T9 Word**, **Abc**, **ABC**, **123**, or **Symbols**) is indicated in the lower part of a text entry screen. To change the text entry mode while composing a text message:

- ▶ Repeatedly press and hold  to toggle between **Abc**, **123**, and **T9Word** modes.

Or, do the following:

1. Press the Left soft key.
2. Select one of the following text entry modes:
 - **T9Word**
 - **Abc**
 - **ABC**
 - **123**
 - **Symbols**

Using T9® Mode

T9 Word recognizes commonly used words for the numeric sequence of key presses and inserts the word into your message. T9 Word is much faster than the traditional method of text entry (Abc) and requires only one key press per letter of the word that you're spelling.

1. While composing a text message, press the Left soft key, then select **T9Word**.
2. For practice, enter the word “**Samsung**” by pressing each of the following keys only once:



T9 Word recognizes that the most commonly used word for the numeric sequence you just entered is “Samsung.”

If more than one word shares the same numeric sequence, T9 Word provides the most commonly used word. Press  to display other words, if available.

Note: To enter a space, press the  key. To enter a period, press the  key. These key functions apply to both T9 Word and Abc modes. (For other symbols, see “Entering Symbols” on page 28.)

Using Abc Mode

1. While composing a text message, press the Left soft key, then select **Abc** or **ABC**.
2. Enter characters while in Abc mode by pressing a key repeatedly until the desired character appears in the display.

Example: Press  once for “G” and twice for “H”.

3. Pause briefly and the displayed character is accepted and inserted into your message.
4. To enter a space, press . To enter a period, press .

Entering Numbers

Enter numbers into a text message while in 123 mode.

1. While composing a text message, press the Left soft key, then select **123**.
2. Enter numbers while in 123 mode by pressing the key labeled with the corresponding number that you wish to insert into your message.

Entering Symbols

Enter symbols such as “@” or “%” into a text message.

1. While composing a text message, press the Left soft key, then select **Symbols**. The first of three symbol screens appears in the display.
2. Use the **Prev** and **Next** soft keys to page through the other symbols, if desired.
3. Press the key that corresponds with the symbol that you wish to enter.

Example: Press  for an exclamation point (!).

4. Repeat these steps to insert additional symbols into your message.

Section 7: Understanding Your Contacts

This section details how you can manage your daily contacts by storing their names and numbers in your Contacts list. You can have your Contacts entries sorted by name.

Contacts

Up to 500 entries can be stored in Contacts. Each entry can have up to five associated phone numbers and one e-mail address. Each phone number can be up to 32 digits in length, including **2-Sec** or **Wait** pauses (see “*Manual Pause Calling*” on page 15 for more information), and associated names can be up to 32 characters in length. You can assign the Speed Dial numbers of your choice for each entry. You can also mark your Contacts list as Restricted to prevent unauthorized viewing. (For more information, refer to “*Restriction*” on page 80.)

Tip: Speed Dial **One-Touch Dialing**, **Two-Touch Dialing**, and **Three-Touch Dialing** allow you to call numbers stored in Contacts faster.

Open Contacts

1. In standby mode, press **MENU** () → **Contacts**. The following options appear in the display:
 - **Find** — Find a Contacts entry by name.

Tip: You can also access the **Find** option from standby mode, by pressing the **Contacts** soft key.

- **Add New Entry** — Add a number or e-mail address to your Contacts.
- **Speed Dial** — Assign a Contacts entry to a Speed Dial number. (For more information, refer to “*Speed Dial*” on page 35)
- **Group** — Review, send messages to, add Contacts to, or rename four out of your five groups. (For more information, refer to “*Contacts Groups*” on page 37.)
- **Memory Info** — Display used and available memory for Contacts entries.

2. Select the option of your choice.

Note: You can also press the keypad number key that corresponds to the menu option number.

Finding a Contacts Entry

Shortcut Key Method

If you've stored a name entry in Contacts, Find allows you to find it quickly by entering the first few letters of a Contact's name.

1. In standby mode, press the **Contacts** soft key.

The **Find** screen appears in the display with the **Go To** field highlighted, followed by the first few names in your Contacts list.

Tip: You can also access the **Find** screen from standby mode by doing one of the following:

- Press the Up navigation key.
 - Press **MENU** () → **Contacts** → **Find**.
-

2. Enter the first few characters of a name as entered in Contacts. For example, if you saved the name as “Amy Smith”, begin the search by pressing (for “A”).

As you enter letters, the names of the closest matches appear in the display.

3. When the desired entry is listed in the display, use the Up/Down navigation keys to highlight the entry.
 - Press  to dial the number associated with the name.
 - Press the **Edit** soft key to add or change information for this entry.
 - Press **VIEW** () to show information about the entry.
 - Press the **Options** soft key. The following options appear in the display:
 - **New Contact** — Add a new entry to Contacts.
 - **Erase** — Erase the name and associated information.

- **Send Txt Msg** — Create and send a text message to the selected Contact.
- **Call** — Dial the number associated with the name.
- **Send Name Card Via Bluetooth** — Send selected Contacts to another Bluetooth device.

Select the desired option to access its sub-menu appears in the display.

Quick Search Method

For information on enabling Quick Search, see “Quick Search” on page 82.

1. In standby mode and with Quick Search enabled, press the first few numeric keys that correspond to the letters of the Contact’s name.

Example: To search for “Sally” you would enter **725**.

2. Press the Up navigation key. A list of Contact names that begin with letters corresponding to the number keys you pressed appears in the display.
3. Highlight the searched for Contact.
 - To call the Contact, press .
 - To view the Contact, press .

Adding a New Contacts Entry

You can use either of two methods to add an entirely new entry to Contacts.

Dial Method

1. Using the keypad, enter the number you wish to add to your Contacts.
2. Press the **Save** soft key. The following options appear in the display:
 - **Create New** — Lets you create a new Contacts entry.
 - **Update Existing** — Lets you add the number you entered to an existing Contacts entry.
3. Select **Create New**.

The **Create New** screen appears in the display showing the following icons:



4. Select the number type that matches your new entry.
5. Use the keypad to enter a name to associate with the Contacts entry.

6. Press **SAVE** (**OK**) to save the entry.

Menu Method

1. In standby mode, press **MENU** (**OK**), then select **Contacts** → **Add New Entry**.

The **Add New Entry** screen appears in the display with the **Name** field highlighted.

2. Enter the name of the new entry using the keypad. (For more information, refer to “*Entering Text*” on page 26)
3. Highlight one of the following fields:
 - **Mobile**
 - **Home**
 - **Work**
 - **Pager**
 - **E-Mail**
 - **Group**
 - **Ringtone**
 - **Fax**
4. Enter a phone number or E-Mail address in the highlighted field.
5. Repeat steps 3 and 4 as needed.
6. Press (**OK**) to save the new entry.

Editing a Contacts Entry

Editing Contacts Name and Numbers

1. Find the Contacts entry you wish to change. (For more information, refer to “*Finding a Contacts Entry*” on page 29.)
2. Use the Navigation key to highlight the entry and press **VIEW** () . The **View Contact** screen appears in the display showing the highlighted entry’s information.
3. Use the Navigation key to review the information for the entry that you wish to change, then press **EDIT** () . The **Edit Contact** screen appears in the display.
4. Use the Navigation key to highlight the particular information you want to add or change.
 - Press  to backspace and delete numbers or letters.
 - Press and hold  to clear all numbers or letters in the highlighted field.
 - Press the **Options** soft key.

The following options pop-up in the display:

 - **Set Speed Dial / Remove Speed Dial** — Assign/remove a speed dial number. (For more information, refer to “*Speed Dial*” on page 35.)
 - **Set as default** — Set the number the phone will dial when Contacts dialing or speed dialing.

- **Wait** — A hard pause (waits for input from you).
- **2-Sec Pause** — A 2-second pause after which dialing resumes. (For more information, refer to “*Add Pauses to Contacts Numbers*” on page 32.)

Select the desired option.

5. When you’re finished changing the Contacts entry:

- To save your changes, press  .
- To discard your changes, press  . You are prompted to confirm exiting without saving your changes. Press the **Yes** soft key to discard your changes.

Add Pauses to Contacts Numbers

Calls to automated systems such as banking services often require a password or account number. Instead of manually entering these numbers, you can store them in a Contacts entry with the phone number and with special characters called pauses, up to a maximum of 32 digits.

- **Wait** — Stops the calling sequence until the phone receives further input.
- **2-Sec Pause** — Stops the calling sequence for two seconds, then sends the remaining digits.

Note: You can enter multiple Waits to extend the length of a pause. For example, two consecutive Waits cause a total pause time of four seconds. Keep in mind that pauses count as digits towards the 32-digit maximum.

To add pauses to a Contacts entry number, do the following:

1. Find the Contacts entry associated with the number you want to include one or more pauses. (For more information, refer to *"Finding a Contacts Entry"* on page 29.)
2. Select and edit the desired number. (For more information, refer to *"Editing a Contacts Entry"* on page 32.)
3. Press **Options**. The following pause options appear in the display:
 - **Wait** — A hard pause (waits for input from you).
 - **2-Sec Pause** — A 2-second pause after which dialing resumes.
4. Select the pause option of your choice to add it to the number sequence.
5. When you're finished entering information, press **OK** to store the number to Contacts.

Pause Dial from Contacts

1. If you stored the number using 2-second pause(s), simply find the Contacts entry, highlight the number, and press . (For more information, refer to *"Finding a Contacts Entry"* on page 29.)

2. If you stored the number using Wait(s), find and dial the number from Contacts and wait for the appropriate prompt from the dialed number.
3. Press  to resume dialing the number.

Edit an Existing E-Mail Address

1. Find the Contacts entry you want to edit. (For more information, refer to *"Finding a Contacts Entry"* on page 29.)
2. Highlight the desired Contacts entry, then press the **Edit** soft key.

The **Edit Contact** screen appears in the display.

3. Highlight the **E-Mail** field.
4. Use the keypad to edit the E-Mail address. (For more information, refer to *"Entering Text"* on page 26)
5. Press **OK** to save your changes.

Assigning a Ringtone to a Contacts Entry

When you assign a ringtone to a Contacts entry, the phone plays the ringtone that you assigned to the entry when you receive a call from that Contact instead of the ringtone currently assigned to Voice Calls.

1. Find the Contacts entry you want to edit. (For more information, refer to *“Finding a Contacts Entry”* on page 29.)
2. Highlight the desired Contact, then press the **Edit** soft key. The **Edit Contact** screen appears in the display.
3. Highlight the **Ringtone** field, then press the **Set** soft key. The **Contact Tone** menu appears in the display showing the following options:
 - **My Ringtones**
 - **My Sounds**
4. Select the desired option. The **My Ringtones** or the **My Sounds** file list appears in the display.
5. Select the ringtone or sound that you wish to assign to the Contacts entry.

The **Edit Contact** screen re-appears in the display with the name of the selected file in the Ringtone field.
6. Press **[OK]** to save the ringer assignment to the selected Contacts entry.

Saving a Number After a Call

Once you finish a call, you can store the caller's number to your Contacts list.

Note: If the call was incoming and Caller ID information was unavailable, then the **Save** option is also unavailable.

1. Press  to end your call. The call time, length of call, phone number, and name of the party (if available) appear in the display.
2. Press the **Save** soft key. The following options appear in the display:
 - **Create New** — Lets you create a new Contacts entry.
 - **Update Existing** — Lets you add the number you entered to an existing Contacts entry.
3. Follow the instructions in the upcoming sections depending on whether the number is a new entry or you wish to add it to an existing entry.

Create a New Entry

1. Use the Navigation key to highlight **Create New** and press **[OK]**.

The **Create New** screen appears in the display showing the following number type options:



2. Select the number type that matches your new entry.
3. Enter a name for the new entry. (For more information, refer to “*Entering Text*” on page 26.)
4. Press **OK**. The new entry is saved to your Contacts list.

Add to an Existing Entry

1. Use the Up/Down navigation keys to highlight **Update Existing** and press **OK**. The **Update Existing** screen appears in the display showing your Contacts list with the **Go To** field and the first Contacts entry highlighted.
2. Find the Contacts entry to which you want to add the new number. (For more information, refer to “*Finding a Contacts Entry*” on page 29.)

3. Select the desired Contacts entry. The following number type options appear in the display:



Number types that are already assigned a number show the number instead of the number type label.

4. Select the desired unassigned number type. The Contacts entry information appears in the display with the new number posted in the appropriate number type field.
5. Press **OK** again to save your changes to the existing entry.

Speed Dial

A Contacts entry's Speed Dial number corresponds to the number keys you press to speed dial one of that entry's numbers.

Example: To speed dial the Contacts entry assigned to Speed Dial 5, press and hold **[5 *]**, (1-touch dialing).

To speed dial the Contacts entry assigned to Speed Dial 35, press **[3 5 *]** then press and hold **[5 *]**, (2-touch dialing).

To speed dial the Contacts entry assigned to Speed Dial 235, press **[2 3 5]**, press **[OK]**, then press and hold **[OK]**, (3-touch dialing).

You can assign one or more Speed Dial numbers to a Contacts entry during new entry creation or by editing an existing entry.

Assignment During Entry Creation

To assign a Speed Call number to a new Contacts entry number, do the following:

1. Follow either of the New Contacts entry procedures (see *"Adding a New Contacts Entry"* on page 31) until you enter a name for the entry.
2. After entering the Contacts entry name, **do not press [OK]**. Instead, highlight a number field.
3. Press the **Options** soft key. The following options appear in the display:
 - **Set Speed Dial** — Assign a speed dial number.
 - **Set as default** — Set the number the phone will dial when Contacts dialing, speed dialing, or voice dialing.
 - **Wait** — A hard pause (waits for input from you).
 - **2-Sec Pause** — A 2-second pause after which dialing resumes. (For more information, refer to *"Add Pauses to Contacts Numbers"* on page 32.)

Select **Set Speed Dial**. The **Speed Dial** screen appears in the display.

4. Select an Unassigned Speed Dial number or enter an Unassigned Speed Dial number in the **Go To** field using the keypad.

Important! Do not enter Speed Call numbers 1, 411, 611, or 911. These numbers are already assigned to Voicemail (001), to Information (411), to Customer Care (611), and to emergency use (911).

5. Press **SET ([OK])**. You are prompted to confirm your Speed Dial number assignment.
6. Press the **Yes** soft key to save your Speed Dial assignment and return to the **Add New Entry** screen.

Note: Press **No** to discard the assignment and return to the **Speed Dial** screen.

7. Press **[OK]** to save your changes.

Assignment to an Existing Entry

1. Find the Contacts entry you want to edit. (For more information, refer to *"Finding a Contacts Entry"* on page 29.)

2. Highlight the desired entry.
3. Press **Edit**. The **Edit Contact** screen appears in the display.
4. Highlight the number field you wish to assign a Speed Dial number.
5. Do steps 3 through 7 of “*Assignment During Entry Creation*” on page 36.

Changing a Speed Dial Location

1. Find the Contacts entry you want to edit. (For more information, refer to “*Finding a Contacts Entry*” on page 29.)
2. Highlight the desired entry.
3. Press **Edit**. The **Edit Contact** screen appears in the display.
4. Highlight the number field marked by the Speed Dial icon ().
5. Press the **Options** soft key. The following options appear in the display:
 - **Remove speed dial** — Unassign the current speed dial number.
 - **Set as default** — Set the number the phone will dial when Contacts dialing, speed dialing, or voice dialing.
 - **Wait** — A hard pause (waits for input from you).
 - **2-Sec Pause** — A 2-second pause after which dialing resumes. (For more information, refer to “*Add Pauses to Contacts Numbers*” on page 32.)
6. Select **Remove Speed Dial**. “**Remove speed dial?**” pops up in the display to confirm your desire to remove the entry.
7. Press the **Yes** soft key to remove the Speed Dial assignment. “**Speed Dial Removed**” pops up in the display, and you are returned to the **Edit Contact** screen.
8. Do steps 4 through 7 of “*Assignment During Entry Creation*” on page 36.

Contacts Groups

Contact Groups let you easily send messages to multiple, selected Contacts. You can also use Groups to find Contact entries and to add/remove Contacts names in a Group or to create or rename a Group.

Add Contacts Entry to a Group

Using Add New/Edit Contact Option

To add a Contact to a Group using either the Add New Contact option or the Edit Contact option, do the following:

1. Create a Contacts entry (see “*Adding a New Contacts Entry*” on page 31) or edit a Contacts entry (see “*Editing a Contacts Entry*” on page 32) that you want to add to a Group.

2. Highlight the **Group** field, then press the **Set** soft key.

The **Select Group** screen appears in the display showing Groups similar to the following:

- **No Group**
- **Business**
- **Colleague**
- **Family**
- **Friends**

3. Select the Group to which you want to assign the selected Contact.

You are returned to the **Add New Entry/Edit Contact** screen and the selected Group name populates the **Group** field.

4. Press **OK** to save your changes.

Using Group Add Option

The Add option lets you add one or more existing Contacts to a Group.

1. In standby mode, press **MENU** (**OK**), then press **Contacts** → **Group**.

The **Group List** screen appears in the display showing Groups similar to the following:

- **No Group**
- **Business**
- **Colleague**
- **Family**
- **Friends**

2. Highlight a Group, then press the **Options** soft key. The following options popup in the display:

- **Send Txt Msg** — Send a text message to the selected Group.
- **Rename** — Change the name of the selected Group.
- **Erase** — Delete the selected Group, and send the Contacts back to No Group.
- **Add** — Add one or more Contacts to the selected Group.

3. Select **Add**. The **Add Contacts** screen appears in the display showing a list of Contacts entries.

4. Do one of the following:

- Use the Navigation key to highlight an entry you want to add to the group, then press **MARK**. A check mark appears in the entry's check box.
Repeat as needed to check all the desired Contacts.

- Press **Mark All**.

Note: To unmark a marked Contact, highlight the Contact and press **MARK** to clear the check mark.

5. When you have marked the Contacts you want to add to the group, press **Done**. “**Contact added to group**” appears in the display, followed by the selected Group list including the added Contacts.

Remove Contacts Entry from a Group

1. In standby mode, press **MENU** (**OK**), then press **Contacts → Group**. The **Group List** screen appears in the display.
2. Highlight the Group (other than No Group) from which you want to remove a Contact, then press **VIEW** (**OK**).

A list of the Contacts assigned to the selected Group appears in the display.

3. Highlight the Contact you wish to remove.
4. Press the **Remove** soft key. You are prompted to confirm the removal of the selected Contact.
5. To remove the selected Contact from this Group and return it to No Group, press the **Yes** soft key.

To keep the selected Contact in this Group, press the **No** soft key.

Rename a Group

The Rename option lets you change the name any of the Groups, except No Group.

1. In standby mode, press **MENU** (**OK**), then press **Contacts → Group**. The **Group List** screen appears in the display.
2. Highlight the Group name other than No Group that you wish to change, then press **Options → Rename**.

The **Rename Group** screen appears in the display.

3. Enter changes to the group name using the keypad. (For more information, refer to “*Entering Text*” on page 26.)
4. When you have completed your changes to the Group name, press **SAVE** (**OK**).

“**Group Renamed**” appears in the display followed by the **Group List** screen showing your renamed Group.

Add a New Group

The New option lets you add Groups.

1. In standby mode, press **MENU** (**OK**), then press **Contacts → Group**. The **Group List** screen appears in the display.

2. Press the **New** soft key. The **New Group** screen appears in the display.
3. Enter a new group name using the keypad. (For more information, refer to “*Entering Text*” on page 26.)
4. When you have completed entering the new Group name, press **SAVE** (**OK**). “**Group Saved**” appears in the display followed by the **Group List** screen showing your new Group.

Erase a Group

The **Erase** option lets you delete a Group, thus freeing you to reassign the Contacts formerly in the Group.

1. In standby mode, press **MENU** (**OK**), then press **Contacts** → **Group**. The **Group List** screen appears in the display.
2. Highlight the Group that you wish to delete, then press **Options** → **Erase**.
You are prompted to confirm the Group erasure.
3. To confirm erasure of the Group, press the **Yes** soft key. To retain the Group, press the **No** soft key.

Deleting a Contacts Entry

1. Find the Contacts entry you want to delete. (For more information, refer to “*Finding a Contacts Entry*” on page 29.)
2. Highlight the desired entry.
3. Press **Options** → **Erase**. The phone prompts you to confirm the erasure.
4. To confirm erasure of the selected Contact, press the **Yes** soft key. To retain the Contact, press the **No** soft key.

Memory Info

The Memory Info menu option lets you view the amount of memory you have used to store Contacts entries, as well as the memory remaining to store more Contacts entries.

- In standby mode, press **MENU** (**OK**), then press **Contacts** → **Memory Info**.

The **Memory Info Contacts** screen appears in the display showing the **Total** amount of memory in your phone, the amount of memory **Used** to store Contacts entries, and the remaining (**Free**) for Contacts entries.

Section 8: Messaging

This section explains how to send or receive different types of messages. This section also describes the features and functionality associated with messaging.

Your phone is able to send and receive Text messages to compatible phones and devices. Text messages can be up to 160 characters in length.

Note: Available memory is shared between all messages. You can store up to 100 messages. However, the exact number is dependent upon message length.

Create and Send Text Messages

1. In standby mode, press the **Message** soft key, then select **Send Message**. The **Create Txt Msg** screen appears in the display showing the **To:** list.
2. Enter the phone number or e-mail address of the recipient, then press **(OK)**. The **Text:** field appears in the display.
3. Enter the text content of your message using the keypad. (For more information, refer to “*Entering Text*” on page 26.)
4. To complete the message text and set message send options, press the **Options** soft key. Select from the following options, as needed:
 - **Edit Send To** — Edit the recipient’s number or E-Mail address.
 - **Add Quick Text** — Insert pre-composed text in your message.
 - **Save As Draft** — Save the message to your Draft folder.
 - **Priority Level** — Choose **High** or **Normal**.
 - **Validity Period** — Enter the Date when this message will cease to be valid, then use the Left and Right navigation keys to choose the Time.
 - **Delivery Ack** — Choose **On** or **Off** — Requests confirmation when your message is received.
 - **Add To Contacts** — Save the recipient’s number or e-mail address as a Contacts list entry.
5. Once you’re finished entering your message, press **SEND (OK)**.

Receive Text Messages

When you receive a message in standby mode, the ringer sounds (unless turned off) and **New Message** appears in the display along with the closed envelope icon (). The date and time of the message also appear in the display along with the following options:

- **View Now** — Opens the message, where you have the option to Forward, Reply With Copy, Save Quick Text, Lock, Add To Contacts, Message Info, or Extract.
- **View Later** — Saves the message to your Inbox, where you can view it later, then returns your phone to standby mode.

Select your choice.

Receive Messages While in a Call

When you receive a message while in a call, New Message appears in the display along with the closed envelope icon (). The date and time of the message also appear in the display along with the following options:

- **View Now** — Opens the message, where you have the option to Forward, Reply With Copy, Save Quick Text, Lock, Add To Contacts, Message Info, or Extract.
- **View Later** — Saves the message to your Inbox, where you can view it later, and returns your phone to call mode.

Select the desired option.

View a Text Message Now

1. After you select the **View Now** option, the new text message appears in the display.
2. While viewing your message press the **Options** soft key.

The following options appear in the display:

- **Forward** — Send a copy of this message to another recipient.
- **Reply With Copy** — Compose and send a reply message to the originator of the received message and include a copy of the original message.
- **Save Quick Text** — Save the text in this message as a new Quick Text.
- **Lock / Unlock** — Block/permit erasure of the highlighted message.
- **Add To Contacts** — Save the sender's number to your Contacts.
- **Message Info** — Shows message delivery status, addressee, size, and so on.
- **Extract** — Lets you call the originator of the highlighted message.

3. Select an option to perform its function.

Note: For more information on received message options, see “Inbox” on page 43.

View a Text Message Later

1. In standby mode, press the **Message** soft key, then select **Inbox**. The **Inbox** screen appears in the display.
2. Select the new message. The new text message appears in the display.

Message Boxes

Your phone stores messages in any one of five message boxes. The subsections that follow describe each message box in detail.

Inbox

Received messages of all types (except Voicemail) are stored in the Inbox.

1. In standby mode, press the **Message** soft key, then select **Inbox**. A list of received messages appears in the display.

Tip: While in a call, press **Options**, then select **Message** to open the **Messages** menu.

2. Select the message that you wish to view. The contents of the selected message appear in the display.
3. While viewing your message press the **Options** soft key. The following options appear in the display:
 - **Forward** — Send a copy of this message to another recipient.

- **Reply With Copy** — Compose and send a reply message to the originator of the received message and include a copy of the original message.
 - **Save Quick Text** — Save the text in this message as a new Quick Text.
 - **Lock / Unlock** — Block/permit erasure of the highlighted message.
 - **Add To Contacts** — Save the sender's number to your Contacts.
 - **Message Info** — Shows message delivery status, addressee, size, and so on.
 - **Extract** — Calls the sender of the received message.
4. Select an option to invoke its function.

Managing Inbox Messages

1. In standby mode, press the **Message** soft key, then select **Inbox**. A list of received messages appears in the display.
2. Highlight a message in the list.
3. Press the **Erase** soft key
4. to remove the highlighted message from the Inbox.
5. To access other options, press the **Options** soft key. The following options appear in the display:
 - **Reply** — Compose and send a reply message to the originator of the received message.

- **Reply With Copy** — Compose and send a reply message to the originator of the received message and include a copy of the original message.
- **Forward** — Send a copy of this message to another recipient.
- **Lock / Unlock** — Block/permit erasure of the highlighted message.
- **Add To Contacts** — Save the sender's number to your Contacts.
- **Erase Inbox** — Delete all unlocked messages from the Inbox.
- **Message Info** — Shows message delivery status, addressee, size, and so on.

6. Select an option to perform its function.

Outbox

Your phone stores messages in the Outbox, regardless of whether the message was successfully transmitted. Verify if and when a message or E-Mail was successfully received by enabling the Delivery Ack feature.

Review Messages in the Outbox

1. In standby mode, press the **Message** soft key, then select **Outbox**. Your list of sent messages appear in the display.
2. Highlight a message that you wish to review, then press **OPEN** (**OK**).

3. While viewing your message, press the **Options** soft key.

The following options appear in the display:

- **Forward** — Send the highlighted message to another recipient.
- **Save Quick Text** — Save the message text as Quick Text for insertion into other messages.
- **Lock / Unlock** — Block/permit erasure of the highlighted message.
- **Add To Contacts** — Save the recipient's number to your Contacts.
- **Message Info** — Shows message delivery status, addressee, size, and so on.
- **Extract** — Calls recipient of this message.

4. Select an option to perform its function.

Messages and Lock Mode

Your phone can still receive messages while in Lock Mode. The time and date of the message appear in the display, but you cannot access the message until you enter the lock code.

Managing Outbox Messages

1. In standby mode, press the **Message** soft key, then select **Outbox**. Your list of sent messages appear in the display.
2. Highlight a message, then press **Erase** to remove the highlighted message from the Outbox.

3. Press the **Options** soft key. The following options appear in the display:
 - **Forward** — Send the highlighted message to another recipient.
 - **Resend** — Re-send the highlighted message to the original recipient.
 - **Lock / Unlock** — Block/permit erasure of the highlighted message.
 - **Add To Contacts** — Save the recipient's number to your Contacts.
 - **Erase Outbox** — Delete all unlocked messages from the Outbox.
 - **Message Info** — Shows message delivery status, addressee, size, and so on.
4. Select an option to perform its function.

Draft Box

Messages in the Draft Box are those that have been composed but never sent. You can return to the Draft Box at any time to view, edit, or send a draft message.

Create a Draft Message

1. In standby mode, press the **Message** soft key, then select **Send Message**. The **Create Text Msg** screen appears in the display showing the **To:** list.
2. Enter the phone Number or E-Mail address of a recipient, then press **OK**.
3. Compose your message using the keypad, then press the **Options** soft key and select **Save As Draft**. A confirmation message appears in the display and your message is saved to the Drafts box.

View and Edit Draft Text Messages

1. In standby mode, press the **Message** soft key, then select **Drafts**. A list of any draft messages that you've saved appears in the display.
2. Highlight a text message that you wish to view or edit, then press **EDIT** (**OK**). The message text edit screen appears in the display.
3. Enter or change the recipient's number and/or e-mail address and the message text using the keypad. (For more information, refer to *"Entering Text"* on page 26.)
4. Press the **Options** soft key to complete the message text and set message send options. The following options appear in the display:
 - **Edit Send To** — Change, add, or remove recipients from this message.
 - **Add Quick Text** — Insert pre-composed text into your message text.

- **Save As Draft** — Save the message to your Drafts box.
 - **Priority Level** — Choose **High** or **Normal**.
 - **Validity Period** — Enter the Date when this message will cease to be valid, then use the Left and Right navigation keys to choose the Time.
 - **Delivery Ack** — Choose **On** or **Off** — Requests confirmation when your message is received.
 - **Add To Contacts** — Save the recipient's number or e-mail address to your Contacts.
5. Select an option to perform its function.
 6. When you have completed composing your message, press **SEND** (**OK**).

Managing Draft Messages

1. In standby mode, press the **Message** soft key, then select **Drafts**. A list of any draft messages that you've composed appears in the display.
2. Highlight a message.
3. To remove the highlighted message from the Drafts box, press the **Erase** soft key. You are prompted to confirm erasure of the highlighted draft message.
 - To erase this draft message, press the **Yes** soft key.

- To keep this draft message in your Drafts box, press the **No** soft key.
4. For other options, press the **Options** soft key. The following options appear in the display:
 - **Send** — Send the highlighted message to the original recipient, if the recipient's number and/or e-mail address is included with the draft message.
 - **Lock / Unlock** — Block/permit erasure of the highlighted message.
 - **Add To Contacts** — Save the recipient's number and/or e-mail address to your Contacts.
 - **Save Quick Text** — Save the message text as Quick Text for insertion into other messages.
 - **Erase Drafts** — Delete all unlocked draft messages.
 5. Select an option to perform its function.

Voicemail

Messages in your voice mailbox are logged in the Voicemail box of the Messages menu. Open the Voicemail box to view the Callback # (if available), Urgency, and other details of the Voicemail message.

Listen to Voicemail Now

Once you've received a new voicemail message, you have the option to either:

- **Listen Now** — Calls your voice mailbox and allows you to listen to your messages.
- **Listen Later** — Returns you to standby mode where you can later choose to call your mailbox and review your messages.

Select an option to perform its function.

Listen to Voicemail Later

If you choose to review your voicemail messages at a later time:

1. In standby mode, press the **Message** soft key, then select **Voicemail**. The **Voicemail** screen appears in the display, showing the number of new voicemail messages received and the date and time the latest message was received.
2. Highlight a voice message.
3. Press  or **OK** to call your voice mailbox and listen to the message.

Note: You can also press and hold  to dial your voice mailbox.

Erase Messages

Using Erase Messages, you can erase all of the messages in each of your boxes from one convenient location.

Note: This function erases all messages in a selected box. To delete a single message, open the box from the **Messages** menu, highlight a message, open the message if you want, then press **Erase** to delete it.

1. In standby mode, press the **Message** soft key, then select **Erase Messages**. The following options appear in the display:
 - **Inbox** — Deletes all unlocked messages stored in the Inbox.
 - **Outbox** — Deletes all unlocked messages stored in the Outbox.
 - **Drafts** — Deletes all unlocked messages stored in the Drafts box.
 - **All Messages** — Deletes all unlocked messages stored in all of the message boxes, except Voicemail.
2. Select the messages that you wish to delete. You're prompted to confirm the erasure of all messages in the selected box or in all boxes.
3. To delete the messages, press the **Yes** soft key. To cancel deleting the messages, press the **No** soft key.

Message Settings

Use the **Msg Settings** sub-menus to define general settings and text message settings.

General Message Settings

1. In standby mode, press the **Message** soft key, then select **Msg Settings → General**. The following options appear in the display:
 - **Auto Save** — Choose whether your messages are saved automatically when you exit them (**On**, **Off**, **Prompt**).
 - **Auto Erase** — Choose to receive (**On**) or not receive (**Off**) a warning message when you delete a message.
 - **Quick Text** — Edit your pre-composed messages, which can then be inserted into new messages.
 - **Voicemail #** — Edit or view your Voicemail number.
 - **Entry Mode** — Choose the default method for entering text into messages (**T9 Word**, **Abc**, **ABC**, **123**).
 - **Callback #** — Choose whether to include a callback phone number with your outgoing messages, and enter the number to be included.
 - **Reminder** — Select whether and how often you will hear and/or feel a reminder that you have received a message (**Once**, **Every 2 Minutes**, **Every 15 Minutes**, **Off**).

2. Select the desired option to enter the highlighted option's sub-menu.

Editing and Entering Quick Text

1. In standby mode, press the **Message** soft key, then select **Msg Settings → General → Quick Text**. The **Quick Text** sub-menu appears in the display.
2. To create a new Quick Text:
 - Press the **New** soft key. The **New Quick Text** screen appears in the display.

Tip: You can also create new Quick Text by viewing/editing an Outbox or Drafts message and using the **Save Quick Text** option in the **Options** menu. (For more information, refer to “*Review Messages in the Outbox*” on page 44.)

- Enter/change the text content of your Quick Text using the keypad. (For more information, refer to “*Entering Text*” on page 26.)
 - Once you're finished entering your Quick Text, press **OK** (**OK**). The **Quick Text** menu appears in the display with your new Quick Text highlighted.
3. To change a Quick Text:
 - Highlight a Quick Text you want to change, then press **EDIT** (**OK**). (You cannot change the pre-defined Quick Text included with your phone.)

Note: You cannot change or erase pre-loaded Quick Texts.

- Enter/change the text content of your Quick Text using the keypad. (For more information, refer to “*Entering Text*” on page 26.)

4. To erase a Quick Text:

- Highlight a Quick Text you want to erase, then press the **Erase** soft key. You are prompted to confirm erasure of the highlighted Quick Text.
- To erase the highlighted Quick Text, press the **Yes** soft key. To keep it, press the **No** soft key.

Text Message Settings

1. In standby mode, press the **Message** soft key, then select **Msg Settings → Text Message**. The following options appear in the display:
 - **Auto View — On/Off** — With Auto View set to **On**, the full content of a text message appears in the display as the messages is received.
 - **Signature** — Create a text signature, which can be included at the bottom of outgoing message text.
 - **Auto Scroll — On/Off** — With Auto Scroll set to **On**, the full content of a text message automatically rolls upward on the display, one screen-full at a time.
2. Select the desired option to enter the highlighted option's sub-menu.

Section 9: easyedgeSM

With **easyedgeSM**, you can download full featured applications over the air including games, personalized ring tones, pictures, and more. You can send and receive instant messages and E-Mail, or browse the web to catch up on all the latest news.

Note: **easyedgeSM** from U.S. Cellular is only available on approved phones and requires an **easyedgeSM** data plan. Visit www.uscellular.com/easyedge or call U.S. Cellular customer service (by dialing 611 on your phone) and ask about **easyedgeSM**.

Accessing **easyedgeSM**

Applications Shopping and Downloading

Download games, ring tones, e-mail, and more using **easyedgeSM**. For information on airtime charges, contact U.S. Cellular.

1. In standby mode, press the Right navigation key to launch **easyedgeSM**. The following **easyedgeSM** options appear in the display:



Tip: To launch **easyedgeSM** using the Main Menu, in standby mode, press **MENU** () , then select **easyedgeSM** → **easyedgeSM**.

2. Use the Navigation key to highlight the **easyedgeSM** icon () , then press **OK**.

Note: The first time you access **easyedgeSM** Shop, an “airtime warning” message appears in the display along with instructions on how to remove this message.

Your phone takes a moment to connect, then the **easyedgeSM** Catalog menu appears in the display.

3. Follow the instructions in your phone’s display.

Note: Please check with U.S. Cellular for availability of applications.

Changing Your **easyedgeSM Settings**

Use the **Settings** menu in **easyedgeSM** to manage, move, order applications, and much more.

1. At the **easyedgeSM** menu, select **Settings** (.

The following options appear in the display:

- **Order Apps** — Download applications over the network.

- **Move Apps** — Move previously downloaded applications between available folders.
 - **Manage Apps** — View used and available memory.
 - **Main Menu View** — Select whether you wish to view the main **easyedgeSM** menu in a list or icon format.
 - **Screen Savers** — View downloaded screen savers.
 - **View Log** — View the **easyedgeSM** log, which displays information about recent activity using **easyedgeSM**.
2. Select the desired option to enter its sub-menu and view or change settings.

Using On-line Help

The Help sub-menu within **easyedgeSM** is a short tutorial on several **easyedgeSM** features. View information about charges, cancelling subscriptions, buying applications, disabling applications, and more.

1. At the **easyedgeSM** menu, select **Help** (). The Help subjects described in the following subsections appear in the display.
2. Select the desired Help subject to view the Help information.

Buying New Applications

To buy new and exciting applications, visit the **easyedgeSM** Shop. It provides you with a variety of applications you can choose from.

What do I pay?

When you buy an application, you will be charged for the purchase cost of the application and the data usage to download it. Charges will also apply when you use applications that require data usage, such as downloading information and sending text messages.

Charges

Charges will apply for network connections. A network connection is used when you are browsing online, downloading and restoring applications, or canceling subscription applications. Network usage charges may also apply when you use applications that require network connections, such as downloading information and sending text messages.

Cancelling Subscription

To cancel a subscription to an application, do the following:

1. At the **easyedgeSM** menu, select **Settings → Manage Apps**.
2. Select the Subscription you want to cancel.

3. Select **Cancel Subscription**.

Demo Applications

A Demo app is free and is designed to demonstrate the application's main features. It usually expires after a certain period of time or a number of uses and often has limited functions. When you run a demo application, you will be presented with a purchase option so you won't have to look for the application in the **easyedgeSM** catalog.

Removing Applications

You may remove applications that are no longer needed. When you remove an application, you cannot use the application unless you purchase it again. To remove an application, do the following:

1. At the **easyedgeSM** menu, select **Settings → Manage Apps**.
2. Select the Application you want to remove.
3. Select **Remove**.

Disabled Applications

You can install new applications even if the memory of your phone is full by partially removing (disabling) applications you haven't used recently. When you need to use a disabled application, you can restore it at no additional purchase cost.

Restoring Applications

Disabled applications can be quickly restored at no additional purchase cost. To restore an application, run the application you want to restore from the Main Menu. You will be guided through the restoration process.

Expired Applications

Applications that were purchased based on the number of uses or for a specified period of time expire. You can purchase additional uses from the **easyedgeSM** Shop.

Section 10: Multimedia

This section outlines your phone's multimedia functions and key features associated with multimedia.

Accessing Multimedia

1. In standby mode, press **MENU** (**OK**), then select **easyedgeSM**. The following sub-menus appear in the display:
 - **easyedgeSM** — Lets you access your Wireless Carrier's **easyedgeSM** system. (For more information, refer to "**easyedgeSM**" on page 50.)
 - **My Images** — Lets you choose the downloaded and/or received pictures that appear as Wallpaper in your phone's display.
 - **My Ringtones** — Lets you assign ringtones for Ringtone (calls), Contact ID, and Alert Tone.
 - **My Sounds** — Lets you record voice memos and assign melody files as ringtones for Calls, Contact ID, and Alert Tone.
2. Select the desired sub-menu. The following sections describe the above listed sub-menus in greater detail.

My Images

My Images lets you choose the pictures that appear in your phone's display while in standby mode (Wallpaper).

1. At the **easyedgeSM** menu, select **My Images**. A 2-by-2

matrix of thumbnail images of downloaded graphics appears in the display.

Tip: You can also access My Images from the Wallpaper display option by doing the following:

In standby mode, press **MENU** (**OK**), then select **Settings** → **Display Settings** → **Wallpaper** → **My Images**. (For more information, refer to "**Wallpaper**" on page 71.)

2. Highlight a picture, then press **VIEW** (**OK**) to expand the highlighted picture to fill the screen.
3. Press the **Options** soft key.
4. A pop-up menu containing the following options appears in the display:
 - **Set As** — Lets you assign the selected picture as the Wallpaper in the standby screen.
 - **Rename** — Lets you rename the picture.
 - **Lock / Unlock** — Lets you prevent/permit picture deletion.
 - **Erase** — Erases a selected picture.
 - **Erase All** — Erases all pictures.
 - **Photo Info** — Displays information about the picture, such as the picture **Name**, creation **Date** and **Time**, **Resolution**, and the data **Size**.

5. Select the desired option.
6. To return to the previous menu, press **CLR**. To return to standby mode, press .

My Ringtones

My Ringtones lets you assign ringtones (preloaded and downloaded) for Ringtone, Contact Id, and as Alert Tone.

1. At the **easyedgeSM** menu, select **My Ringtones**. A list of ringtones appears in the display.

Tip: You can also access My Ringtones from:

—A **Set Alarm** screen by selecting the **Ringer** option, highlighting the second (file name) field, pressing the Left or Right navigation key, and selecting **My Ringtones**.
(For more information, refer to “Alarm Clock” on page 63.)

—The **Edit Contact** screen by selecting the **Ringtone** field, pressing the **Set** soft key, and selecting **My Ringtones**.
(For more information, refer to “Editing a Contacts Entry” on page 32.)

2. Use the Navigation key to highlight a particular ringtone.
 - Press **OK** to **PLAY** the ringtone.
 - Press the **Info** soft key to show the Title and File Type.
3. Press the **Set As** soft key to assign the highlighted ringtone. The following options appear in the display:

- **Ringtone** — Lets you assign the selected ringtone to incoming voice calls.
- **Contact ID** — Lets you assign the selected ringtone as the distinctive ringer for a Contact.
- **Alert Tone** — Lets you assign the selected ringtone to **All Msg**, **Text Msg**, or **Vicemail Msg**.

4. Select the desired option.
5. When using a downloaded or received ringtone, press the **Options** soft key and the following options appear in the display:

- **Lock / Unlock** — Lets you prevent/permit file deletion
- **Erase** — Erases the selected file
- **Rename** — Lets you rename the selected file
- **Ringtone Info** — Displays information about the selected file, such as the file name, the file type, and the data size

6. Select the desired option.
7. To return to the previous menu, press **CLR**. To return to standby mode, press .

My Sounds

My Sounds lets you record voice memos and lets you assign preloaded and downloaded sound files as Ringtones, Contact IDs, or Alert Tones.

1. At the **easyedgeSM** menu, select **My Sounds. Record New** and a list of sound files appears in the display.

Tip: You can also access My Sounds from:

- A **Set Alarm** screen by selecting the **Ringer** option, highlighting the second (file name) field, pressing the Left or Right navigation key, and selecting **My Sounds**
 - The **Edit Contact** screen by selecting the **Ringtone** field, pressing the **Set** soft key, and selecting **My Sounds**.
-

2. To record a voice memo, select **Record New**. (For more information, refer to “*Record New Voice Memo*” on page 56.)
3. To review or assign a sound file, highlight the file name and press the **Options** soft key.
 - For a preloaded sound file, a pop-up menu containing the following options appears in the display:
 - **Set As** — Lets you assign the selected sound file as the **Ringtone** or as the **Contact ID** for a Contact or an **Alert Tone** for Text or Voicemail messages.
 - **Erase All** — Erases all sound files.
 - **Sound Info** — Displays information about the sound file, such as the Title, File Size, and File Type.

- For a recorded sound file, a pop-up menu containing the following options appears in the display:
 - **Set As** — Lets you assign the selected sound file as the **Ringtone** or as the **Contact ID** for a Contact or an **Alert Tone** for Text or Voicemail messages.
 - **Rename** — Lets you rename the sound file.
 - **Lock / Unlock** — Lets you protect the sound file from being deleted.
 - **Erase All** — Erases all sound files.
 - **Sound Info** — Displays information about the sound file, such as the Title, File Size, File Type, and Date.
- For a downloaded sound file, the following options appear in the display:
 - **Set As** — Lets you assign the selected sound file as the **Ringtone** or as the **Contact ID** for a Contact or an **Alert Tone** for Text or Voicemail messages.
 - **Rename** — Lets you rename the sound file.
 - **Lock / Unlock** — Lets you protect the sound file from being deleted.
 - **Erase All** — Erases all sound files.
 - **Sound Info** — Displays information about the sound file, such as the file name, file type, and the data size.

4. Select the desired option.
5. To return to the previous menu, press **[CLR]**. To return to standby mode, press **[END]**.

Record New Voice Memo

You can use your phone to record voice memos for later playback. You can also record the caller on the other end of the line during a phone conversation.

Note: There is limited space for the length of recordings.

- The maximum length for a single voice memo is 60 seconds.

Record a Voice Memo

1. At the **easyedgeSM** menu, select **My Sounds → Record New**. The **Record New** screen appears in the display.
2. Press **REC** (**OK**), then start speaking. As it is recording the phone displays a countdown timer that shows the seconds remaining for the recording.
 - To pause the memo, press the **Pause** soft key. When a memo is paused, select **Resume** to continue recording.
3. When you are finished speaking, do one of the following:
 - To save the recording, press **SAVE** (**OK**).
 - To discard the recording, press **CLR**.



Review Voice Memos

If you've saved any voice memos, you can review them anytime.

1. At the **easyedgeSM** menu, select **My Sounds**. A list of sound files appears in the display.
2. Highlight the voice memo you wish to review, then press **PLAY** (**OK**).
 - To stop the memo, press **STOP** (**OK**).
 - To restart playing the memo, press **PLAY** (**OK**) again.

When the voice memo finishes playing, the selected voice memo remains highlighted in the list of sound files.

Erase a Voice Memo

1. At the **easyedgeSM** menu, select **My Sounds**. A list of sound files appears in the display.
2. Highlight the voice memo you wish to erase.
3. Press the **Erase** soft key. "**Erase Sound?**" appears in the display.
4. Press the **Yes** soft key to erase the selected voice memo or press the **No** soft key to return to the list of sound files.

Voice Memo Options

1. At the **easyedgeSM** menu, select **My Sounds**. A list of sound files appears in the display.
2. Highlight a voice memo, then press the **Options** soft key.
The following options appear in the display:
 - **Set As** — Lets you assign the highlighted recording as a **Ringtone**, **Contact ID**, or **Alert Tone** (All Msg, Text Msg, or Voicemail Msg).
 - **Rename** — Lets you change the file name.
 - **Lock / Unlock** — Blocks/permits erasure of the highlighted recording.
 - **Erase all** — Lets you erase all Unlocked voice memos.
 - **Sound Info** — Shows information about the highlighted recording such as Title, File Size, File Type, and Date.
3. Select the desired option.

Section 11: Tools

This section explains how to use your phone's digital assistant functionality to schedule events, set reminders, perform calculations, and more.

Tools Menu

Tools is a suite of Personal Information Manager (PIM) applications such as a Calendar, and Memo Pad that run on your phone. You can use your phone to schedule events, set reminders, perform calculations, and more with the functions provided by this useful feature.

Opening Tools Menu

1. In standby mode, press **MENU** (**OK**), then select **Tools**.

The following sub-menus appear in the display:

- **Bluetooth** — Lets you access Bluetooth functions.
- **Calendar** — Lets you view the current, past, or future month in a monthly calendar layout.
- **Memo Pad** — Lets you store and review useful information.
- **Alarm Clock** — Lets you set an alarm to go off once, or daily, at a specified time.
- **World Time** — Lets you view the current time of day or night in another part of the world.
- **Calculator** — Lets you perform calculations, including addition, subtraction, multiplication, and division.

- **Stop Watch** — Lets you view the amount of time.
- **Converter** — Lets you convert currencies (according to the latest rates) and weights, measures, and temperatures from one system or increment to another.
- **Tip Calculator** — Lets you quickly calculate service gratuities with a minimum of keypresses.

2. Select the desired Tool sub-menu.

The following sections provide detailed descriptions of the Tools and how to use their functions.

Bluetooth

Bluetooth is a short-range wireless communications technology capable of exchanging information over a distance of about 30 feet without requiring a physical connection.

Unlike infrared, you don't need to line up the devices to beam information with Bluetooth. If the devices are within a range of one another, you can exchange information between them, even if they are located in different rooms.

The Bluetooth wireless technology settings menu provides the ability to view and change the device name, show the visibility, and set the security for the device.

Turn Bluetooth On/Off

When the Bluetooth is turned on, you can use the Bluetooth features available. When the Bluetooth is turned off, you cannot send or receive information via Bluetooth. To save battery life or in situations where Bluetooth use is prohibited, such as airline traveling, you can turn off the Bluetooth wireless technology headset.

Add New Device

To search for available Bluetooth devices:

1. At the **Tools** menu, select **Bluetooth → Add New Device**.

If Bluetooth is off, you are prompted to “**Turn Bluetooth on?**”. To turn Bluetooth on, press the **Yes** soft key. To leave Bluetooth off, press the **No** soft key.

“**Place device you are connecting to in discoverable mode**” appears in the display.

2. Place the Bluetooth device in discoverable mode. (For more information, refer to the device user manual.)
3. Press **[OK]**. Names of the available devices appears in the display.
4. Highlight the device you want to pair with your phone.

5. Press **PAIR** (**[OK]**) to pair the selected device with the phone. You are prompted to enter the passkey or PIN for the selected device. (For information about the device's passkey or PIN, refer to the **Manufacturer's User Manual**.)

Note: When pairing you phone with another Bluetooth device other than a headset or headphones, the same passkey or PIN must be entered on both devices (when prompted) for the pairing to succeed.

6. Enter the device passkey or PIN and press **[OK]**.
7. After pairing with a headset or headphones, you are prompted to connect to the device.
 - To connect with the newly paired device, press the **Yes** soft key.
 - To bypass connecting with the newly paired device at this time, press the **No** soft key.

Registered List

This menu provides a list of Bluetooth wireless technology devices discovered by your handset.

1. At the **Tools** menu, select **Bluetooth → Registered List**.

Connecting to a Bluetooth Device

From the Registered List,

- Select the desired device.

Note: If you are unable to pair or connect with the device a popup appears in the display. To retry, press the **Yes** soft key.

Receiving Files Using Bluetooth

Although your r210 does not send files to another Bluetooth device, you can receive files from other Bluetooth devices.

1. If needed, add the other Bluetooth device to your Registered List. (For more information, refer to “*Add New Device*” on page 59.)
2. Ask the owner of the other Bluetooth device to send a file to your r210. You are prompted to confirm you want to exchange data with the other device.
 - To accept the file from the other device, press the **Yes** soft key.
 - To reject the file from the other device, press the **No** soft key.

Bluetooth Settings

1. At the **Tools** menu, select **Bluetooth → Bluetooth Settings**. The following options appear in the display:
 - **Enable / Disable** — Turns Bluetooth on or off.
 - **Discovery Mode** — Lets other devices “see” (access) your device. Select **On** for other devices to see your device, or **Off** for no visibility.
 - **Device Name** — Shows the handset name. You may change this name. Enter text changes and press **OK** to save them.

- **Supported Profiles** — Shows descriptions of the Bluetooth profiles supported by your phone.
- **Device Info** — Shows the Bluetooth Type, Status, and Address of your phone.

2. Select the desired option to perform the related process.

Calendar

Calendar lets you view the current, past, or future month in a monthly calendar layout. While viewing the calendar, the current date is highlighted and days with scheduled events are surrounded by a box.



View an event

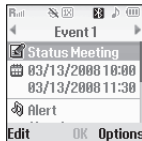
1. At the **Tools** menu, select **Calendar**.

A calendar appears in the display with the current date highlighted. The month and year also appear.
2. Use the following keys to navigate your calendar and highlight a desired date.
 - To move from one day to another, use the Left/Right navigation keys.
 - To move from one week to another, use the Up/Down navigation keys.
 - To view previous months, press the Volume key Up.
 - To view future months, press the Volume key Down.

- To access other options, press the **Options** soft key while viewing the calendar. The following options appear in the display:
 - **Go to Date** — Lets you jump to any date you specify.
 - **Go to Today** — Lets you jump to today's date.
 - **Erase Old** — Lets you erase past events.
 - **Erase all** — Lets you erase all events.

Select the desired option to perform the related process.

3. Open the highlighted date by pressing **OK**. A list of scheduled events appears in the display.
4. Select the desired event. Information for the selected event appears in the display.



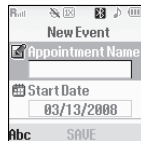
Add a New Event

1. At the **Tools** menu, select **Calendar**.

A calendar appears in the display with the current date highlighted. The month and year also appear.

2. Highlight the date of the new event.

3. Press the **Add** soft key. The **New Event** screen appears in the display.
4. To select and enter details of the event, use the Navigation key and the keypad. (For more information, refer to "Entering Text" on page 26.)



5. Enter the start and End dates and times for the event using the keypad. Enter the dates and times for the event using 2 digits for day, month, hour, and minute entries. Use 4 digits for year entries.
6. To change between **AM** and **PM**, use the Left and Right navigation keys.
7. When you're finished entering the dates and times, to highlight the **Alert** field, use the Up and Down navigation keys. To select a type of alert, use the Left and Right navigation keys.
8. To highlight the **Reminder** field, use the Up and Down navigation keys. To select the Reminder off or to select a reminder interval, use the Left and Right navigation keys.

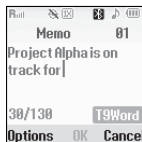
9. To highlight the **Alert time** field, use the Up and Down navigation keys. To select the amount of time before the event occurs that you wish to be notified by an alert, use the Left and Right navigation keys.
10. To store the event in your calendar, press **OK**. An alert will notify you prior to the event, if you set a notification alert.

Memo Pad

You can create a notes and store them in Memo Pad. You can't prioritize or set an alert for stored notes. Return to Memo Pad anytime you wish to review and edit your notes.

Add a Memo

1. At the **Tools** menu, select **Memo Pad**. If you have any stored memos, they appear as a list in the display. If this is your first time in **Memo Pad**, "**No memos**" appears in the display.
2. To add a new memo, press the **Add** soft key.
3. Enter memo text using the keypad. (For more information, refer to "Entering Text" on page 26.)



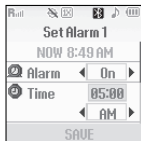
4. When you're finished entering memo text, press **OK** to save the memo.

View, Edit, and Erase Memos

1. At the **Tools** menu, select **Memo Pad**. A list of your stored memos appears in the display.
2. Highlight the desired memo. The memo text begins scrolling across the screen.
3. To view the entire memo, press **VIEW** (**OK**).
4. To edit the memo you are viewing, press the **Edit** soft key. Enter text changes using the keypad. (For more information, refer to "Entering Text" on page 26.)
5. To erase the memo you are viewing, press the **Options** soft key, then select **Erase**. You are prompted to verify the erasure.
 - To erase the memo, press the **Yes** soft key.
 - To keep the memo, press the **No** soft key.

Alarm Clock

Your phone has three alarm clocks that can each be set to go off once, or daily at a specified time. Once set, each alarm clock is easy to change or turn off completely.

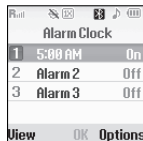


Note: Alarm clocks do not function when the phone is turned off. If the time for an alarm clock that was set for Once has elapsed and the phone is off, the alarm sounds at the same time on the following day.

1. At the **Tools** menu, select **Alarm Clock**. The following options appear in the display:
 - **Alarm 1**
 - **Alarm 2**
 - **Alarm 3**
2. Select an Alarm. A **Set Alarm** screen appears in the display containing the following options:
 - **Alarm**
 - **Time**
 - **Frequency**
 - **Ringer**
3. Use the Up and Down navigation keys to highlight options.

4. Use the keypad to enter the time for the alarm and use the Left and Right navigation keys to select values for the other options.

5. When you're finished entering and selecting settings for the alarm, press **OK**. The alarm is set and the alarm icon (🕒) appears in the top of the display.



When an Alarm Sounds

An animated alarm clock appears in the display with the options **Snooze** or **Dismiss**, and an alert sounds when the specified time for the alarm arrives.

- To silence the alarm, use the Navigation key to select **Dismiss**.
 - If the alarm was set as a Daily alarm, the alarm icon remains in the top of the display.
 - If the alarm was set as a Mon.-Fri., the alarm icon remains in the top of the display.
 - If the alarm was set as a Weekends only alarm, the alarm icon remains in the top of the display.
 - If the alarm was set as a Once only alarm, the alarm icon disappears from the top of the display.

Turn Off the Alarm

Turning off an Alarm stops it from sounding when the set time is reached while retaining the Alarm settings for your reuse.

1. At the **Tools** menu, select **Alarm Clock**.
2. Highlight **Alarm 1 / Alarm 2 / Alarm 3**.
3. Press the **Options** soft key and select **Off**. The highlighted Alarm is turned off, but the alarm settings are retained for later reuse.

Reset the Alarm

Resetting one or all Alarms erases all of your Alarm settings and restores the default settings.

1. At the **Tools** menu, select **Alarm Clock**.
2. If desired, highlight **Alarm 1 / Alarm 2 / Alarm 3**.
3. Press the **Options** soft key. Select from the following options:
 - **On / Off** — Enables or disables the highlighted Alarm, using current settings.
 - **Reset Alarm** — Resets the highlighted Alarm to default settings.
 - **Reset All** — Resets all Alarms to default settings.

World Time

World Time lets you view the time of day or night in another part of the world. World Time displays time in the 24 different time zones around the world.



1. At the **Tools** menu, select **World Time**. A world map appears in the display showing the home city and time for the phone.
2. To display the time zone and city that you wish to view, use the Left and Right navigation keys. The following time zones/cities are supported:

EST/EDT: Detroit Washington D.C New York Montreal Boston	Caracas	Brasilia	Mid Atlantic
Cape Verde	London	Paris Rome Berlin	Athens Helsinki Jerusalem

Moscow	Baku Abu Dhabi	Tashkent	New Delhi
Alma-ata	Bangkok Jakarta	Hong Kong Beijing	Seoul Tokyo
Guam Sydney	Okhotsk	Wellington	Samoa Midway
HAST/HADT: Honolulu	AKST/AKDT: Alaska	PST/PDT: Seattle San Francisco Los Angeles	MST/MDT: Denver Arizona
CST/CDT: Dallas Chicago Houston Mexico City			

3. Do one of the following:

- To show Daylight Savings Time (DST) for the displayed time zone, press the **Options** soft key and select **DST On** (display DST) or select **DST Off** to display standard time.
- To save the displayed time zone as the home time zone for your phone and return to the **Tools** menu, press **[OK]**.
- To discard the current time zone and return to the **Tools** menu, press **[CLR]**.

Calculator

You can perform calculations, including addition, subtraction, multiplication, and division using your phone.

- At the **Tools** menu, select **Calculator**.

The **Calculator** appears in the display.

- Enter the first number in your calculation using the keypad (numbers can be up to nine digits long).

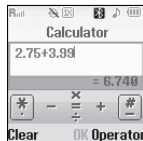
- To enter a decimal point, press **[.]**. (Calculator only accepts 2 digits after a decimal point.)
- To change the sign for a number to a negative, press **[+/-]**.

- Use the Navigation key to set the type of calculation that you wish to perform. Your choices are as follows:

- Up** navigation key — **[x]** Multiplication
- Left** navigation key — **[-]** Subtraction
- OK** key — **[=]** Equals/Total
- Right** navigation key — **[+]** Addition
- Down** navigation key — **[÷]** Division

For nested operations [such as $(1.81 + 9.34) / 5.22$] and to calculate powers (such as 3^2), press the **Operator** soft key.

The following options appear in the display:

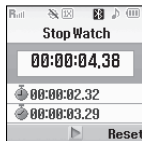
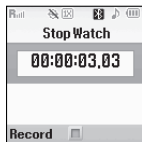


- (— Beginning of nested operation
 -) — Ending of nested operation
 - **Power** — Raise the current number to the power of your next entry
4. Use the keypad to enter the next number in your calculation.
 5. Repeat steps 3 and 4 as needed.
 6. To perform the calculation and view the result, press **OK**.
To clear your last operation or number entry, press **CLR**.
To clear all of your entries, press the **Clear** soft key.

Stop Watch

You can use this menu to set a stop watch.

1. At the **Tools** menu, select **Stop Watch**.
2. To start, stop, and resume the stopwatch count, press **OK**.
3. Press the **Record** soft key at the start of each succeeding event/lap to record the completion time for the previous event/lap.



4. Press the **Reset** soft key to erase all stop watch (lap) times recorded.

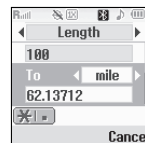
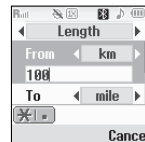
Converter

The conversion menu provides the following conversion categories:

- Currency
- Length
- Weight
- Volume
- Area
- Temperature

To convert a currency, length, weight, volume, area, or temperature, do the following:

1. At the **Tools** menu, select **Converter**.
2. Select the conversion feature you wish to use.
3. Use the navigation keys to select the units to be converted **From** and **To**.
4. Enter the quantity you want converted in the **From** field. The converted quantity appears in the **To** field.



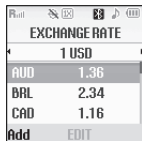
Note: To include a decimal point, press the  key.

Currency — Reviewing/Editing Exchange Rates

The Currency Converter includes long-term average exchange rates as default values. To review and/or change a default exchange rate to the current exchange rate, do the following:

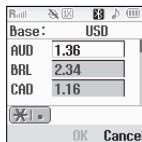
1. At the **Tools** menu, select **Converter** → **Currency**.

2. Press the **Rate** soft key. The **Exchange Rate** list for the **USD** (U.S. Dollars) currency appears in the display.



EXCHANGE RATE	
1 USD	
AUD	1.36
BRL	2.34
CAD	1.16
Add	EDIT

3. To edit an exchange rate, press **EDIT** () , then highlight the desired exchange rate.
4. Use the keypad to change the current exchange rate. (For more information, refer to “Entering Numbers” on page 27.)



Base: USD	
AUD	1.36
BRL	2.34
CAD	1.16
	
OK Cancel	

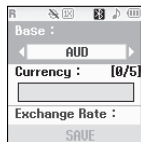
Note: Your new exchange rate value must be that used to convert from U.S. Dollars to the selected currency.

- To save the changed exchange rate, press ().
- To discard your changes and return to the Currency Converter screen, press the **Cancel** soft key.

Currency — Adding Exchange Rates

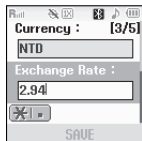
You can use the Currency Converter to convert from and to obscure currencies by adding exchange rates for these currencies. To add a currency and its exchange rate to the Currency Converter, do the following:

1. At the **Tools** menu, select **Converter** → **Currency**.
2. Press the **Rate** soft key. The **Exchange Rate** list for the **USD** (U.S. Dollars) currency appears in the display.
3. Press the **Add** soft key. The **Add Exchange Rate** screen appears in the display with the **Base** field highlighted.
4. Use the Left and Right navigation keys to select the Base currency to be converted from.
5. Highlight the **Currency** field.



Base :	
AUD	
Currency :	[0/5]
Exchange Rate :	
SAVE	

- Enter an identifier of up to 5 characters for the new currency using the keypad. (For more information, refer to “Entering Text” on page 26.)
- Highlight the **Exchange Rate** field.
- Enter a decimal exchange rate for the new currency using the keypad. (For more information, refer to “Entering Numbers” on page 27.)



Note: Press the key to enter the decimal point.

The **Exchange Rate** field only accepts up to 5 digits after the decimal point.

- To save the new exchange rate, press **(OK)**. The **Exchange Rate** list for the **USD** (U.S. Dollars) currency appears in the display with your new exchange rate at the bottom of the list.

EXCHANGE RATE	
1 USD	
SGD	1.66
USD	1.00
NTD	4.00
Add	EDIT Erase

Currency — Erasing Exchange Rates

You cannot erase the preloaded currencies from the Exchange Rate list. You can erase a currency that you have added to the list by doing the following:

- At the **Tools** menu, select **Converter → Currency**.
- Press the **Rate** soft key. The **Exchange Rate** list for the **USD** (U.S. Dollars) currency appears in the display.
- Highlight the currency exchange rate to be erased.
- Press the **Erase** soft key. You are prompted to confirm the erasure.
 - To erase the highlighted exchange rate, press the **Yes** soft key.
 - To keep the highlighted exchange rate, press the **No** soft key.

EXCHANGE RATE	
1 USD	
SGD	1.66
USD	1.00
NTD	4.00
Add	EDIT Erase

Tip Calculator

Tip Calculator automatically calculates the following amounts:

- Gratuities (tip)
- Individual payment (for groups)

Calculations are based on the total amount of the check, a selected percentage, and the number of people paying.

1. At the **Tools** menu, select **Tip Calculator**. The Tip Calculator screen appears in the display with the **Bill** field highlighted.
2. Use the keypad to enter the total amount of the bill.

Tip Calculator	
Bill	\$ 214.58
Tip	20 %
# Paying	8
Back	

Note: To include a decimal point, press the  key.

3. If needed, highlight the **Tip** field and use the keypad to change the tip percentage.
4. If needed, highlight the **# Paying** field and use the keypad to change the number of persons paying.
5. Press **OK**.
6. The amount of the Tip, the bill Total, and the amount Each person should pay appear in the lower half of the screen.

Tip Calculator	
Tip	\$ 42.92
Total	\$ 257.50
Each	\$ 32.19
BACK Cancel	

Section 12: Changing Your Phone and Call Settings

This section explains how to customize your phone and call settings to suit your needs and preferences.

Accessing Your Settings

1. In standby mode, press **MENU** (**OK**), then select **Settings**.

The **Settings** menu appears in the display showing the following options:

- **Location** — Set your phone to send location data continually or only when you dial 911.
- **Display Settings** — Set your phone's menu appearance, display brightness and contrast, and display content to better meet your needs.
- **Sound Settings** — Set your phone's audio properties, such as ringers, keypad tones, alerts, shut down sounds, and more.
- **Call Settings** — Set how your phone handles voice and data calls.
- **Phone Settings** — Set your phone's safety, network, and security options.
- **Memory Info** — Shows how much of your phone's memory is in use, what types of files are stored, and how much memory is still available for use.

- **Phone Info** — Access information about your phone, such as your phone number, meanings of phone status icons, hardware and software versions, and more. (Some of this information is valuable to you if you need to call for customer support.)

2. Select the desired sub-menu to access your selection.

Location

This function identifies your location to the network via the Global Positioning System (GPS). You can set this function for continuous operation or to operate only in the event that you dial 911.

Note: Contact U.S. Cellular to determine whether, when, or where location-based services are available.

1. At the **Settings** menu, select **Location**.

The following options appear in the display:

- **Location On** — GPS location setting is on whenever you make or receive a call, wherever the feature is available.
 - **911 Only** — GPS location setting is on only when you dial 911.
2. Select the desired Location setting. You're returned to the **Settings** menu.

Display Settings

Display settings let you change your phone's menu appearance, display brightness and contrast, and display content to better meet your needs.

To access the **Display Settings** menu, do the following:

1. At the **Settings** menu, select **Display Settings**. The **Display Settings** menu appears in the display.
2. Select the desired sub-menu. The following sections describe the Display sub-menus in greater detail.

Menu Style

1. At the **Display Settings** menu, select **Menu Style**. The following Main Menu styles appear in the display:
 - **Icon** — Main Menu appears as an array of icons.
 - **List** — Main Menu appears as a scrollable list (text).
2. Select the desired Main Menu style. You're returned to the **Display Settings** menu.

Wallpaper

Wallpaper lets you choose the images that appear in the background of your phone's front and main displays while your phone is closed or in standby mode.

1. At the **Display Settings** menu, select **Wallpaper**.

The following options appear in the display:

- **My Images** — Lets you select an image that you've downloaded from the Internet as a wallpaper image.
 - **Preset Images** — Lets you select an image that came preloaded with your phone as a wallpaper image.
2. Select the image type that you wish to use. An array of images appears in the display.
 3. Select the image that you wish to use to save your selection.

Clock Format

Clock Format lets you choose the format your phone will use to present the current time in your phone's front and main displays while your phone is closed or in standby mode.

1. At the **Display Settings** menu, select **Clock Format**.

The following options appear in the display:

- **Digital** — The current time appears as large numbers on the second line from the top of the display.
- **Analog** — The current time appears as sweep hand positions on a clock image. Individual hours appear as Roman numerals (**I – XII**).
- **Off** — The current time appears as small numbers on the second line from the bottom of the display.

2. Select the desired clock format. A “Clock Set” message appears in the display, and you are returned to the **Display Settings** menu.

Dialing Font Size

Lets you select the size of your dialing font.

1. At the **Display Settings** menu, select **Dialing Font Size**.
The following font sizes appear in the display:
 - **Normal**
 - **Large**
2. Select the desired font size.

Banner

Create your own personalized greeting that appears in the display while your phone is in standby mode.

1. At the **Display Settings** menu, select **Banner**. The **Banner** screen appears in the display with a flashing cursor in the **Enter Text** field.
2. Enter a word or short phrase to appear in your phone's display while in standby mode (Up to 13 characters). (For more information, refer to “Entering Text” on page 26.)
3. To save the new or changed banner, press **OK**.

Backlight

You can set the backlight for your display or keypad to remain on for a specified period of time or remain on as long as the folder is open.

Note: Prolonged backlight use drains your battery faster.

1. At the **Display Settings** menu, select **Backlight**. The following sub menus appear in the display:
 - **Main Display** — Sets the time the internal display backlight remains on after a period of inactivity. Optional settings are: **10 seconds**, **15 seconds**, **30 seconds**, **Always On**, and **Always Off**.
 - **Keypad** — Sets the amount of time the keypad backlight remains on after a period of inactivity. Optional settings are: **10 seconds**, **15 seconds**, **30 seconds**, **Always On**, and **Always Off**.
 - **Brightness** — Sets the brightness of the backlight to one of five possible settings.
2. Select the desired sub menu, then select the desired setting.

Contrast

Contrast lets you choose the display contrast to suit yourself.

1. At the **Display Settings** menu, select **Contrast**.

2. Use the Left/Right navigation keys to sample any of the 101 display contrast settings from **-50** to **+50**. The screen shows the effects of each new setting.

- To save the new setting and return to the **Display Settings** menu, press **[OK]**.
- To return to the **Display Settings** menu and discard the new setting, press **[CUR]**.

Sound Settings

Lets you tailor your phone's audio properties (such as ringers, keypad tones, alerts, shut down sounds, and more) to suit yourself.

To access the **Sound Settings** menu, do the following:

1. At the **Settings** menu, select **Sound Settings**. The **Sound Settings** menu appears in the display.
2. Select the desired sub-menu. The following sections describe the Sounds sub-menus in greater detail.

Volume

Use the **Volume** sub-menu to set the default volume for incoming calls and alarms.

1. At the **Sound Settings** menu, select **Volume**. The following options appear in the display:

- **Voice Calls** — Lets you set your phone to be silent, play a sound, and/or vibrate in response to incoming calls.
- **Messages** — Lets you set your phone to be silent, play a sound, and/or vibrate in response to incoming messages.
- **Alarms** — Lets you set your phone to be silent, play a sound, and/or vibrate in response to a preset alarm time being reached.

2. Select the desired option.
3. Use the Navigation key or the Volume key (on the left side of your phone) to select the volume level (**Ringer Off**, **Low**, **Low/Medium**, **Medium**, **Medium/High**, **High**) or vibrate mode (**Vibrate**, **Vibrate/High**) for the selected option.

Tip: To preview the selected ringtone or alert tone while adjusting the volume setting, press the **Play** soft key.

4. Press **[OK]** to save the option setting.

Ringer Type

You can assign ring tones for calls, alarms, and other alerts in the **Ringer Type** sub menu.

1. At the **Sound Settings** menu, select **Ringer Type**. The following Ringer Types appear in the display:
 - **Voice Calls**
 - **Messages**
 - **Roam Ringer**

2. Select the desired Ringer Type. The following options appear in the display:

- **My Ringtones**
- **My Sounds**

Note: Your phone includes preloaded ringtones and sounds. You can download additional ringtones and sounds using **easyedge**SM. You can also receive additional ringtones and sounds from other devices using Bluetooth. (For more information, refer to “Multimedia” on page 53.)

3. Select the desired option. A list of ringtones or sounds appears in the display.
4. Use the Navigation key to scroll through the ringtones and sounds for the preferred ringer.
 - To play each ringtone or sound, press the **Play** soft key.
 - To save the desired ringtone or sound selection, press **[OK]**.

Alerts

You can set your phone to sound an alert whenever you enter or leave your service area, connect or disconnect a call, and other options.

1. At the **Sound Settings** menu, select **Alerts**. The following options appear in the display:
 - **Minute Beep** — Sound an alert ten seconds before each elapsed minute of a call.

- **Roaming** — Sound an alert when you leave your home service area while on a call.
- **Call Connect** — Sound an alert when you connect a call.
- **Power On/Off** — Sound an alert when you turn your phone on or off.

2. Select the desired option. The following settings appear in the display:

- **On**
- **Off**

3. Highlight the desired setting.

- To save the new setting, press **[OK]**.
- To retain the current setting, press **[CLR]**.

Key Tone

Key Tone allows you to adjust the volume level and length of the tone that the keypad generates each time you press a key.

1. At the **Sound Settings** menu, select **Key Tone**. The following options appear in the display:

- **Tone Level**
- **Tone Length**

2. Select the desired option.

- If you select **Tone Level**:
 - To set the keypad Tone Level, use the Volume key or Navigation key.

- To save your Tone Level setting, press **OK**. You are returned to the **Key Tone** sub-menu.
- If you select **Tone Length**:
 - Highlight **Short** or **Long**.
 - To save your Tone Length setting, press **OK**. You are returned to the **Key Tone** sub menu.

Call Settings

The Call Settings options let you select how your phone handles voice and data calls.

To access the **Call Settings** sub-menu, do the following:

1. At the **Settings** menu, select **Call Settings**. The **Call Settings** sub-menu appears in the display.
2. Select the desired sub-menu. The following sub-sections describe the Call Settings sub-menus in greater detail.

Call Answer

You can select a specific answer mode when you receive an incoming call. Your phone can be preset to answer when you do any of the following:

- Press any key
 - Press the Send key
1. At the **Call Settings** sub-menu, select **Call Answer**. The **Call Answer** sub-menu with the following options appears

in the display:

- **Any Key** — Press any key except , , or the Left soft key to answer an incoming call.
- **Send Key** — Press  to answer an incoming call.

Tip: You can set your phone to answer calls automatically, without any input from you. (For more information, refer to “*Auto Answer*” on page 75.)

2. Select the method you wish to use for answering calls.

Auto Answer

Auto Answer enables your phone to automatically answer calls after a period of time that you specify.

1. At the **Call Settings** sub-menu, select **Auto Answer**.

The following options appear in the display:

- **Off** — Disables automatic answering of calls
- **After 1 Second** — Phone automatically answers calls after 1 second
- **After 3 Seconds** — Phone automatically answers calls after 3 seconds
- **After 5 Seconds** — Phone automatically answers calls after 5 seconds

2. Select the desired setting.

Auto Retry

Auto Retry automatically re-dials a number if the connection fails. Depending upon your location, the number of times your phone automatically dials the number may vary.

1. At the **Call Settings** sub-menu, select **Auto Retry**. The **Auto Retry** sub-menu with the following options appears in the display:
 - **Off** — Disables automatic re-dialing of numbers
 - **Every 10 Seconds** — Phone automatically re-dials a number every 10 seconds
 - **Every 30 Seconds** — Phone automatically re-dials a number every 30 seconds
 - **Every 60 Seconds** — Phone automatically re-dials a number every 60 seconds
2. Select the desired setting.

TTY Mode

Your phone is fully TTY compatible. TTY equipment is connected to your phone through the headset connector on the left side of the phone. TTY must be enabled before you can use your phone with a TTY device.

1. At the **Call Settings** sub-menu, select **TTY Mode**. You are prompted to confirm you want to change the current TTY Mode setting.

Note: The “**Enabling TTY may impair headset use and non-TTY accessory performance**” message pops up when you select **TTY Mode**.

- To access the TTY Mode options, press the **Yes** soft key.
 - To return to the **Call Settings** sub-menu, press the **No** soft key.
2. When you press the **Yes** soft key, the following options appear in the display:
 - **TTY Full** — Enables TTY mode and disables microphone and earpiece.
 - **TTY + Talk** — Enables TTY mode and microphone.
 - **TTY + Hear** — Enables TTY mode and earpiece.
 - **TTY Off** — Disables TTY mode.
 3. Select the desired TTY Mode setting.

Note: The TTY icon () appears in the top of the display when the phone is in standby mode.

Voice Privacy

When Voice Privacy is enabled (that is, set to **Enhanced**), it turns on advanced voice encryption.

1. At the **Call Settings** sub-menu, select **Voice Privacy**. The following options appear in the display:
 - **Standard** — Voice privacy is disabled.
 - **Enhanced** — Voice privacy is enabled.

2. Select the Voice Privacy setting of your choice.

Data Settings

Use the **Data Settings** menu to configure data connection settings.

1. At the **Call Settings** sub-menu, select **Data Settings**. The following options appear in the display:
 - **Data Off** — No incoming data calls accepted.
 - **Data For Next Call** — Wait for data call for the next 10 minutes.
 - **Data Until Powered Off** — Data calls only, no voice calls accepted, until you power the phone off and on again.
2. Select the data setting of your choice.

Phone Settings

Phone Settings lets you tailor your phone's safety, network, and security options to suit yourself.

To access the **Phone Settings** sub-menu, do the following:

1. At the **Settings** menu, select **Phone Settings**. The **Phone Settings** sub-menu appears in the display.
2. Select the desired sub-menu. The following sub-sections describe the Phone Settings sub-menus in greater detail.

Airplane Mode

When set to **On**, Airplane Mode disables all radio functions of your phone. This prevents you from receiving or making calls (except emergency calls), but allows you to use other features (such as the Tools) safely in sensitive environments, such as on board an aircraft.

1. At the **Phone Settings** sub-menu, select **Airplane Mode**. The following options appear in the display:
 - **On** — Disables the radio transmitter and receiver in your phone
 - **Off** — Enables the radio transmitter and receiver in your phone
2. Select the desired Airplane Mode setting.

Language

The language option on your phone can change the language of voice prompts, menus, and key-input.

1. At the **Phone Settings** sub-menu, select **Language**. The following options appear in the display:
 - **English**
 - **Español**
2. Select your language preference.

Security

Use the Security menu to lock your phone, set up emergency numbers, enable or disable voice privacy, set restrictions, as well as other security options.

Lock Phone

Locking the phone limits all outgoing calls except calls to 911 emergency and the three user-programmable emergency numbers. You can lock the phone manually during use, or set the phone to lock automatically when it is turned on. With the phone in lock mode, you can answer incoming calls, but you must unlock the phone to place outgoing calls (except to emergency and secret numbers).

1. At the **Phone Settings** sub-menu, select **Security**. You're prompted to enter the lock code.

Note: The default lock code is the last four digits of your telephone number.

2. Enter the lock code. The **Security** menu appears in the display.
3. Select **Lock Phone**. The following Device Lock Mode options appear in the display:
 - **Lock** — Locks the phone immediately. (The phone stays locked until you enter the lock code.)

- **Unlock** — Unlocks the phone.
- **On Power up** — The phone locks automatically the next time your phone is powered on. (The phone stays locked until you enter the lock code.)

4. Select the Device Lock Mode option of your choice.

Change Lock

The default lock code for your phone is generally the last four digits of your phone number. It is advisable to change the default lock code to a secret code for security purposes.

1. At the **Phone Settings** sub-menu, select **Security**. You're prompted to enter the lock code.

Note: The default lock code is the last four digits of your telephone number.

2. Enter the lock code. The **Security** menu appears in the display.
3. Select **Change Lock**. You're prompted to enter the new lock code.
4. Enter the new lock code. You're prompted to re-enter the new lock code for verification.
5. Enter the new lock code again. Your changes are stored.

Note: Your phone does not allow you to view the lock code for obvious security reasons. If you change the lock code, be sure to write down or memorize the new code.

Emergency

Your phone provides the option of storing three emergency numbers. Each number can be up to 32 digits in length. All emergency numbers can be manually called at any time, even when your phone is locked or restricted. This can be a useful feature for controlling outgoing calls from your phone.

Note: Emergency number 911 is hard-coded into your phone. You can dial this number any time, even when the phone is locked or restricted. If you call 911 an audible tone is heard and an Emergency prompt appears in the display for the duration of the call.

Important!: Because of various transmission methods, network parameters, and user settings necessary to complete a call from your wireless phone, a connection cannot always be guaranteed. Therefore, emergency calling may not be available on all wireless networks at all times.

Important!: DO NOT depend on this phone as a primary method of calling 911 or for any other essential or emergency communications.

Remember to always turn your phone on and check for adequate signal strength before placing a call.

Store Emergency Numbers

1. At the **Phone Settings** sub-menu, select **Security**. You're prompted to enter the lock code.

Note: The default lock code is the last four digits of your telephone number.

2. Enter the lock code. The **Security** menu appears in the display.
3. Select **Emergency #**.
4. Select from the three emergency number entries.
5. Enter an emergency number (up to 32 digits in length).
6. Press **OK** to save the number that you entered.

Call Emergency Numbers in Lock Mode

1. In standby mode, enter the emergency number.
2. Press  to place the call.

Resetting Your Phone

Reset Phone returns all setup options to their factory default.

1. At the **Phone Settings** sub-menu, select **Security**. You're prompted to enter the lock code.

Note: The default lock code is the last four digits of your telephone number.

2. Enter the lock code. The **Security** menu appears in the display.
3. Select **Reset Phone**. You are prompted to confirm that you want to restore your phone's default settings (except for the Contacts and Voice Dial).
 - To restore default settings, press the **Yes** soft key.
 - To retain your current settings and return to the **Security** sub-menu, press the **No** soft key.

Erase All Entries

Erase All Entries erases all information from your Contacts list.

Note: To completely remove any personal information stored on your device, see *"Precautions for Transfer and Disposal"* on page 106.

1. At the **Phone Settings** sub-menu, select **Security**. You're prompted to enter the lock code.

Note: The default lock code is the last four digits of your telephone number.

2. Enter the lock code. The **Security** menu appears in the display.
3. Select **Erase All Entries**. You're prompted to enter the lock code again.

4. Enter the four-digit lock code using the keypad.

Note: The default lock code is the last four digits of your mobile phone number.

The "**Erase All Entries?**" prompt appears in the display.

- To erase all Contacts list entries, press the **Yes** soft key.
- To keep the current Contacts list entries, press the **No** soft key.

Restriction

Restriction lets you limit the use of your phone to make outgoing calls and/or to receive incoming calls to any numbers, to no numbers, or to calls from/to your Contacts.

1. At the **Phone Settings** sub-menu, select **Security**. You're prompted to enter the lock code.

Note: The default lock code is the last four digits of your telephone number.

2. Enter the lock code. The **Security** menu appears in the display.
3. Select **Restriction**. The following options appear in the display:
 - **Outgoing** — When set to **On**, restricts your phone from making Outgoing calls.

- **Incoming** — When set to **On**, restricts your phone from accepting Incoming calls.
- **Contacts** — When set to **On**, restricts any access to your Contacts list.

4. Select the desired Restriction, then select **On** or **Off**.

NAM Selection

The **Network** menu allows you to select **NAM** (Number Assignment Module) settings for your phone. You can store two **NAM** settings, which are essentially telephone numbers, for your phone.

1. At the **Phone Settings** sub-menu, select **NAM Selection**.
The following options appear in the display:
 - **NAM1** — Your service contract has one phone line.
 - **NAM2** — Your service contract has two phone lines.
2. Select the desired NAM option. The phone powers itself off and back on.

System Select

The **System Select** menu allows you to select the roaming setting for your phone.

1. At the **Phone Settings** sub-menu, select **System Select**.
The following roaming options appear in the display:

- **Home Only** — Your phone is available for normal operation only within your designated coverage area.
- **Automatic** — The Preferred Roaming List (PRL) is used to acquire service. If no preferred systems are found, any digital system is acquired.

2. Select the desired roaming option.

Set Time

Use the **Set Time** option to set the current date and time.

Note: In digital service mode, the **Set Time** feature is disabled. The network adjusts time and date automatically.

1. At the **Phone Settings** sub-menu, select **Set Time**. The following options appear in the display:
 - **Set Date**
 - **Set Time**
2. Select the desired option.
 - For **Set Date**, the **Set Date** screen appears in the display.
 - Enter the current date using your keypad.
The month and day must be entered using two digits each. The year must be entered using all four digits.
 - Press **OK** to save your date setting.

- For **Set Time**, the **Set Time** screen appears in the display.
 - Enter the current time using your keypad. The hour and minute must be entered using two digits each and in 12-hour format.
 - Use the Left and Right navigation keys to select **am** or **pm**.
 - Press **OK** to save the your time setting.

Quick Search

Quick Search is an easy way to locate Menu items and Contacts.

1. At the **Phone Settings** sub-menu, select **Quick Search**.

The following options appear in the display:

- **On** — Quick Search is enabled
 - **Off** — Quick Search is disabled
2. Select the desired Quick Search setting.

Searching for a Menu Item

1. In standby mode, press the first few numeric keys that correspond to the letters of the desired Menu item name.

For example, to search for “Inbox” you could enter:



2. Press the Down navigation key. The **Menu List** screen appears in the display showing all menu items with names that correspond to your key entries.
3. Select the desired menu item.

Searching for a Contact

1. In standby mode, press the first few numeric keys that correspond to the letters of the Contacts name.

For example, to search for “Sally” you could enter:



2. Press the Up navigation key. The **Find** screen appears in the display showing the Contacts entries with names that correspond to your key entries.
3. Highlight the desired Contacts entry.
4. Press **SEND** to call the highlighted Contact.

Memory Info

Memory Info lets you review your phone's available memory to help you manage your files stored there.

1. At the **Settings** menu, select **Memory Info**. The **Memory Info** screen appears in the display showing the following phone memory information:
 - **Total Used**
 - **Available**
 - **My Images**
 - **My Ringtones**
 - **My Sounds**
 - **Applications**
2. To return to the **Settings** menu, press **OK**.

Phone Info

The Phone Info options show you the hardware and software versions of your phone, definitions of the icons that appear at the tops of the phone displays, and the phone number assigned to your phone.

Phone Number

This option causes the Phone Number screen to appear in the display and show the ten-digit number assigned to your phone by U.S. Cellular.

1. At the **Settings** menu, select **Phone Info → Phone Number**. The phone number assigned by U.S. Cellular appears in the display.

2. To return to the **Phone Info** menu, press **OK**.

Icon Glossary

This option causes the Icon Glossary list to appear in the display and show the icons that can appear in the display and the names of the icons.

1. At the **Settings** menu, select **Phone Info → Icon Glossary**. A list of the icons that can appear on the top line of the display shows in the display.
2. Use the Up and Down navigation keys or the Volume key to scroll through the icons list.
3. To return to the **Phone Info** menu, press **OK**.

Version

You can view both the software and hardware version of your phone using this feature. This feature is helpful if you need to contact Customer Service.

1. At the **Settings** menu, select **Phone Info → Version**.
Your phone's software (S/W), Preferred Roaming List (PRL), **easyedgeSM** (easyedge), and hardware (H/W) information appears in the display.
2. To return to the **Phone Info** menu, press **OK**.

Section 13: Health and Safety Information

This section outlines the safety precautions associated with using your phone. These safety precautions should be followed to safely use your phone.

Health and Safety Information

Exposure to Radio Frequency (RF) Signals

Certification Information (SAR)

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government.

These FCC exposure limits are derived from the recommendations of two expert organizations, the National Counsel on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE).

In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of

absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC.

For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that

contains no metal and that positions the handset a minimum of 1.5 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported to the FCC are:

- Head: 1.46 W/Kg.
- Body-worn: 1.42 W/Kg.

SAR information on this and other model phones can be viewed online at <http://www.fcc.gov/oet/ea>. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone.

Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at www.fcc.gov/cgb/sar.

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile phones and genuine Samsung accessories.

Go to: <http://www.samsung.com/us/consumer/type/type.do?group=mobilephones&type=mobilephones> for more information.

UL Certified Travel Adapter

The Travel Adapter for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines.

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET. THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTATED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Consumer Information on Wireless Phones

The U.S. Food and Drug Administration (FDA) has published a series of Questions and Answers for consumers relating to radio frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

What kinds of phones are the subject of this update?

The term wireless phone refers here to hand-held wireless phones with built-in antennas, often called “cell,” “mobile,” or “PCS” phones. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies.

When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called “cordless phones,” which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures well within the FCC's compliance limits.

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the

health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones.

Base stations are thus not the primary subject of the safety questions discussed in this document.

What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with

cancer-causing chemicals so as to be pre-disposed to develop cancer in absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phones RF exposures.

However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can

provide data that is directly applicable to human populations, but ten or more years' follow-up may be needed to provide answers about some health effects, such as cancer.

This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization international Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations.

CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

If there is a risk from these products - and at this point we do not know that there is - it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

- If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone

away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000.

They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it

was not based on scientific evidence that any health hazard exists.

Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing

more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike “hand-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal Trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims.

According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical Instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has tested

wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a compatible phone and a compatible hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (Updated 12/1/2006):

- FCC RF Safety Program:
<http://www.fcc.gov/oet/rfsafety/>
- Environmental Protection Agency (EPA):
<http://www.epa.gov/radiation/>
- Occupational Safety and Health Administration's (OSHA):
<http://www.osha.gov/SLTC/radiofrequencyradiation/index.html>
- National Institute for Occupational Safety and Health (NIOSH):
<http://www.cdc.gov/niosh/homepage.html>
- World Health Organization (WHO):
<http://www.who.int/peh-emf/>

- International Commission on Non-Ionizing Radiation Protection:
<http://www.icnirp.de>
- National Radiation Protection Board (UK):
<http://www.hpa.org.uk/radiation>
- US Food and Drug Administration
<http://www.fda.gov/cellphones>

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
2. When available, use a hands-free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.

3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.
5. Do not take notes or look up phone numbers while driving. Jotting down a “to do” list or flipping through your address book takes attention away from your primary responsibility, driving safely.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies.
9. Use your wireless phone to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.
10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency number.

“The wireless industry reminds you to use your phone safely when driving.”

For more information, please call 1-888-901-SAFE, or visit our web-site www.ctia.org.

Important! If you are using a handset other than a standard numeric keypad, please call 1-888-901-7233.

Provided by the Cellular Telecommunications & Internet Association.

Responsible Listening

Caution! Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cellular telephones, at high volume settings for long durations may lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds, and Bluetooth or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound and distorted hearing.

Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings and equipment.

You should follow some commonsense recommendations when using any portable audio device:

- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, you noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before your hearing could be affected.

- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300

Reston, VA 20190

Voice: (800) 222-2336

Email: info@audiology.org

Internet: <http://www.audiology.org>

National Institute on Deafness and Other Communication Disorders

National Institutes of Health

31 Center Drive, MSC 2320

Bethesda, MD 20892-2320

Voice: (301) 496-7243

Email: nidcdinfo@nih.gov

Internet: <http://www.cdc.gov/niosh/topics/noise/default.html>

National Institute for Occupational Safety and Health

Hubert H. Humphrey Bldg.

200 Independence Ave., SW

Washington, DC 20201

Voice: 1-800-35-NIOSH (1-800-356-4647)

Internet: <http://www.cdc.gov/niosh/topics/noise/default.html>

Operating Environment

Remember to follow any special regulations in force in any area and always switch your phone off whenever it is forbidden to use it, or when it may cause interference or danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder if you are using an external antenna).

Using Your Phone Near Other Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless phone and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the phone more than six (6) inches from their implantable medical device when the phone is turned ON;
- Should not carry the phone in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;

- Should turn the phone OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless phone with such a device, consult your health care provider.

For more information see:

<http://www.fcc.gov/oet/rfsafety/rf-faqs.html>

FCC Hearing-Aid Compatibility (HAC) Regulations for Wireless Devices

On July 10, 2003, the U.S. Federal Communications Commission (FCC) Report and Order in WT Docket 01-309 modified the exception of wireless phones under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless phones be compatible with hearing-aids.

The intent of the HAC Act is to ensure reasonable access to telecommunications services for persons with hearing disabilities.

While some wireless phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless phones, to assist hearing device users find phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label located on the box.

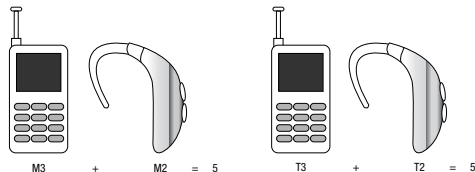
The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings.

T-Ratings: Phones rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. T4 is the better/higher of the two ratings.

Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise. The hearing aid and wireless phone rating values are then added together. A sum of 5

is considered acceptable for normal use. A sum of 6 is considered for best use.



In the above example, if a hearing aid meets the M2 level rating and the wireless phone meets the M3 level rating, the sum of the two values equal M5. This is synonymous for T ratings. This should provide the hearing aid user with “normal usage” while using their hearing aid with the particular wireless phone. “Normal usage” in this context is defined as a signal quality that is acceptable for normal operation.

The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark. The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC Rules.

The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your phone off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your phone off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your phone off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch the phone off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications (medical emergencies, for example).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location (for example, 911 or other official emergency number).
Emergency numbers vary by location.
3. Press the  key.

If certain features are in use (call barring, for example), you may first need to deactivate those features before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Restricting Children's access to your Phone

Your phone is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the phone or make calls that increase your phone bill.

FCC Notice and Cautions

FCC Notice

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269, Attn: Publication Sales Division.

Cautions

Any changes or modifications to your phone not expressly approved in this document could void your warranty for this equipment, and void your authority to operate this equipment. Only use approved batteries, antennas and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your phone off before boarding an aircraft. The use of wireless phone in aircraft is illegal and may be dangerous to the aircraft's operation.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Product Performance

Getting the Most Out of Your Signal Reception

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal.

If you're inside a building, being near a window may give you better reception.

Understanding the Power Save Feature

If your phone is unable to find a signal after searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key.

Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your phone returns to standby mode.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

Maintaining Your Phone's Peak Performance

For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty.

There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.

- To ensure that the Hearing Aid Compatibility rating for your phone is maintained, secondary transmitters such as Bluetooth and WLAN components must be disabled during a call. For more information, refer to *"Turn Bluetooth On/Off"* on page 59.
- If your phone is equipped with an external antenna, hold the phone with the antenna raised, fully-extended and over your shoulder.
- Do not hold, bend or twist the phone's antenna, if applicable.
- Do not use the phone if the antenna is damaged.
- If your phone is equipped with an internal antenna, obstructing the internal antenna could inhibit call performance.
- Speak directly into the phone's receiver.
- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it is inoperable, call Customer Care for service.

Availability of Various Features/Ring Tones

Many services and features are network dependent and may require additional subscription and/or usage charges. Not all

features are available for purchase or use in all areas.

Downloadable Ring Tones may be available at an additional cost. Other conditions and restrictions may apply. See your service provider for additional information.

Battery Standby and Talk Time

Standby and talk times will vary depending on phone usage patterns and conditions. Battery power consumption depends on factors such as network configuration, signal strength, operating temperature, features selected, frequency of calls, and voice, data, and other application usage patterns.

Battery Precautions

- Avoid dropping the cell phone. Dropping it, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- Never use any charger or battery that is damaged in any way.
- Do not modify or remanufacture the battery as this could result in serious safety hazards.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Follow battery usage, storage and charging guidelines found in the user's guide.

- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Do not use incompatible cell phone batteries and chargers. Some Web sites and second-hand dealers, not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, leakage, or other serious hazard.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and

lifetime of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).

- Do not place the phone in areas that may get very hot, such as on or near a cooking surface, cooking appliance, iron, or radiator.
- Do not get your phone or battery wet. Even though they will dry and appear to operate normally, the circuitry could slowly corrode and pose a safety hazard.
- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.
- Do not permit a battery out of the phone to come in contact with metal objects, such as coins, keys or jewelry.
- Do not crush, puncture or put a high degree of pressure on the battery as this can cause an internal short-circuit, resulting in overheating.
- Dispose of used batteries in accordance with local regulations. In some areas, the disposal of batteries in household or business trash may be prohibited. For safe disposal options for Li-ion batteries, contact your nearest Samsung authorized service center. Always recycle. Do not dispose of batteries in a fire.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years.

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.
- If your phone is equipped with an external antenna, use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

Section 14: Warranty Information

Standard Limited Warranty

What is Covered and For How Long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants to the original purchaser ("Purchaser") that SAMSUNG's Phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Leather Case	90 Days
Holster	90 Days
Other Phone Accessories	1 Year

What is Not Covered? This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abuse, neglect, unusual physical, electrical or electromechanical stress, or modification of any part of Product, including antenna, or cosmetic damage; (b) equipment that has the serial number

removed or made illegible; (c) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (d) malfunctions resulting from the use of Product in conjunction with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (e) defects or damage from improper testing, operation, maintenance, installation, or adjustment; (f) installation, maintenance, and service of Product, or (g) Product used or purchased outside the United States or Canada.

This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery, (ii) any of the seals on the battery are broken or show evidence of tampering, or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's Obligations? During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized phone service

facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-888-987-4357. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced leather cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG.

If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

WHAT ARE THE LIMITS ON SAMSUNG'S WARRANTY/LIABILITY?

EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY

OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO:

- THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE;
- WARRANTIES OF TITLE OR NON-INFRINGEMENT;
- DESIGN, CONDITION, QUALITY, OR PERFORMANCE OF THE PRODUCT;
- THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR
- COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO.

NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. ALL IMPLIED WARRANTIES AND CONDITIONS THAT MAY ARISE BY OPERATION OF LAW, INCLUDING IF APPLICABLE THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY LIMITED TO THE SAME DURATION OF TIME AS THE EXPRESS WRITTEN WARRANTY STATED HEREIN. SOME STATES/PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND RESULTING FROM THE PURCHASE, USE, OR MISUSE OF, OR INABILITY TO USE THE PRODUCT OR ARISING DIRECTLY OR INDIRECTLY FROM THE USE

OR LOSS OF USE OF THE PRODUCT OR FROM THE BREACH OF THE EXPRESS WARRANTY, INCLUDING INCIDENTAL, SPECIAL, CONSEQUENTIAL OR SIMILAR DAMAGES, OR LOSS OF ANTICIPATED PROFITS OR BENEFITS, OR FOR DAMAGES ARISING FROM ANY TORT (INCLUDING NEGLIGENCE OR GROSS NEGLIGENCE) OR FAULT COMMITTED BY SAMSUNG, ITS AGENTS OR EMPLOYEES, OR FOR ANY BREACH OF CONTRACT OR FOR ANY CLAIM BROUGHT AGAINST PURCHASER BY ANY OTHER PARTY. SOME STATES/PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE/PROVINCE TO PROVINCE. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT AND STATES PURCHASER'S EXCLUSIVE REMEDY. IF ANY PORTION OF THIS LIMITED WARRANTY IS HELD ILLEGAL OR UNENFORCEABLE BY REASON OF ANY LAW, SUCH PARTIAL ILLEGALITY OR UNENFORCEABILITY SHALL NOT AFFECT THE ENFORCEABILITY FOR THE REMAINDER OF THIS LIMITED WARRANTY WHICH PURCHASER ACKNOWLEDGES IS AND WILL ALWAYS BE CONSTRUED TO BE LIMITED BY ITS TERMS OR AS LIMITED AS THE LAW PERMITS. THE PARTIES UNDERSTAND THAT THE PURCHASER MAY USE THIRD-PARTY SOFTWARE OR EQUIPMENT

IN CONJUNCTION WITH THE PRODUCT. SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRDPARTY SOFTWARE OR EQUIPMENT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE, INCLUDING THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT. THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT LIE SOLELY WITH THE PURCHASER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT, AS THE CASE MAY BE.

This Limited Warranty allocates risk of Product failure between Purchaser and SAMSUNG, and SAMSUNG's Product pricing reflects this allocation of risk and the limitations of liability contained in this Limited Warranty. The agents, employees, distributors, and dealers of SAMSUNG are not authorized to make modifications to this Limited Warranty, or make additional warranties binding on SAMSUNG. Accordingly, additional statements such as dealer advertising or presentation, whether oral or written, do not constitute warranties by SAMSUNG and should not be relied upon.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important!: Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Customer Care Center:

1000 Klein Road

Plano, TX 75074

Toll Free Tel: 1.888.987.HELP (4357)

Samsung Telecommunications America, LLC:

1301 East Lookout Drive

Richardson, Texas 75082

Phone: 1-800-SAMSUNG (726-7864)

Important!: If you are using a handset other than a standard numeric keypad, dial the numbers listed in brackets.

Phone: 1-888-987-HELP (4357)

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